


FOR INDEX OF SHEETS SEE SHEET 1A



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

FHWA 534 DATA 24004

STATE	FEDERAL AID	ROUTE	STATE	SHEET NO.
	PROJECT		PROJECT	
VA.	<p>**-****-</p> <p>(See Tabulation Below For Section Numbers)</p>	58	<p>NFO 0058-101-902</p> <p>(SEE TABULATION BELOW FOR SECTION NUMBERS)</p>	1

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA	
URBAN MINOR ARTERIAL STREET - GS-6 - MTS - 35 MPH DESIGN	
	Fr: 0.045 MILE EAST INTERSECTION HAMBLÉN STREET To: 0.318 MILE EAST INTERSECTION HAMBLÉN STREET
ADT 2019	9,725
ADT 2045	10,797
DHV	836
D (%) (design hour)	
T (%) (design hour)	2%
V (MPH)	See Plan and Profile Sheets for Horizontal and Vertical Curve Design Speed

GILLEY AVENUE (US 58 ALT./ US 23 BUS.)

ADDITIONAL EASEMENTS FOR UTILITY
RELOCATIONS MAY BE REQUIRED
BEYOND THE PROPOSED RIGHT- OF-
WAY SHOWN ON THESE PLANS.

PUBLIC HEARING PLANS

THESE PLANS ARE UNFINISHED
AND UNAPPROVED AND ARE NOT
TO BE USED FOR ANY TYPE
OF CONSTRUCTION OR THE
ACQUISITION OF RIGHT OF WAY.

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY TOWN OF BIG STONE GAP WISE COUNTY

FROM: 0.045 MI. EAST INTERSECTION HAMBLÉN STREET
TO: 0.318 MI. EAST INTERSECTION HAMBLÉN STREET

CONVENTIONAL SIGNS

STATE LINE
COUNTY LINE
CITY, TOWN OR VILLAGE
RIGHT OF WAY LINE
FENCE LINE
UNFENCED PROPERTY LINE
FENCED PROPERTY LINE
WATER LINE
SANITARY SEWER LINE
GAS LINE
ELECTRIC UNDERGROUND CABLE
TRAVELED WAY
GUARD RAIL
RETAINING WALL
RAILROADS
BASE OR SURVEY LINE

LEVEE OR EMBANKMENT
BRIDGES
CULVERTS
DROP INLET
POWER POLES
TELEPHONE OR TELEGRAPH POLES
TELEPHONE OR TELEGRAPH LINES
HEDGE
TREES
HEAVY WOODS
GROUND ELEVATION
GRADE ELEVATION

30 50 30-50

1/4"

GROUND LINE

DATA LINE

30 50 30-50

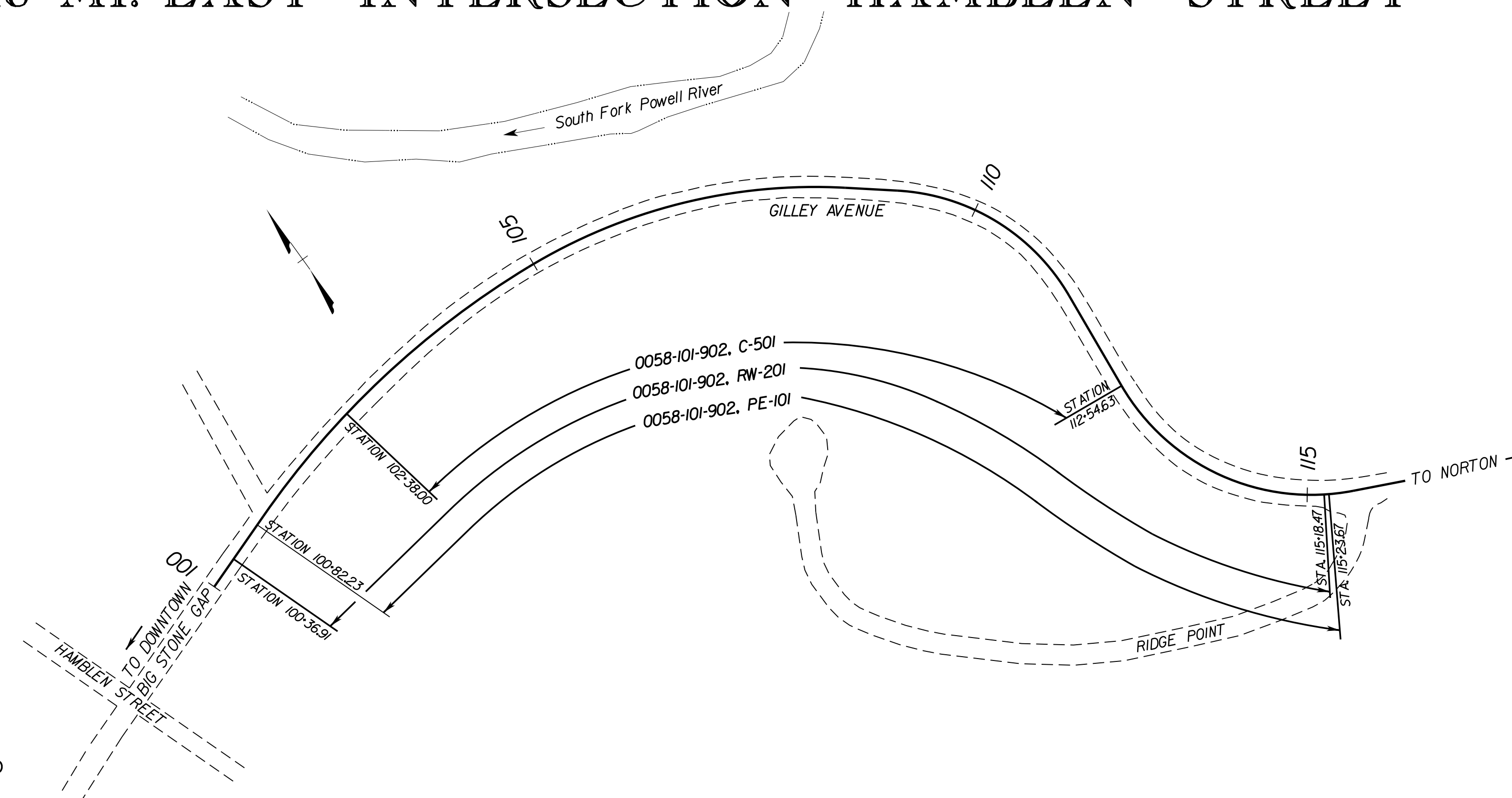
THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY AS AWARDED, HAS BEEN SEALED AND SIGNED USING DIGITAL SIGNATURES AND THE OFFICIAL PLAN ASSEMBLY IN ELECTRONIC FORMAT IS STORED IN THE VDOT CENTRAL OFFICE PLAN LIBRARY, INCLUDING ALL SUBSEQUENT REVISIONS, WILL BE THE OFFICIAL CONSTRUCTION PLANS. FOR INFORMATION RELATIVE TO ELECTRONIC FILES AND LAYERED PLANS, SEE THE GENERAL NOTES.

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION
AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT.

THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DEPARTMENT'S 2020 ROAD AND BRIDGE SPECIFICATIONS, 2016 ROAD AND BRIDGE STANDARDS, 2009 MUTCD, 2011 VIRGINIA SUPPLEMENT TO THE MUTCD, 2011 VIRGINIA WORK AREA PROTECTION MANUAL AND AS AMENDED BY CONTRACT PROVISIONS AND THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY.

ALL CURVES ARE TO BE SUPERELEVATED, TRANSITIONED AND WIDENED IN ACCORDANCE WITH STANDARD TC-5.11, EXCEPT WHERE OTHERWISE NOTED.

THE ORIGINAL APPROVED TITLE SHEET(S), INCLUDING ORIGINAL SIGNATURES, ARE FILED IN THE VDOT CENTRAL OFFICE PLAN LIBRARY. ANY MISUSE OF ELECTRONIC FILES, INCLUDING SCANNED SIGNATURES, IS ILLEGAL AND ENFORCED TO THE FULL EXTENT OF THE LAW.




Population 5,643 (2010 Census)

[illegible]

Project Lengths are based on construction baseline unless otherwise noted.

SCALE



0 100' 200'

TIER 1 PROJECT	
RECOMMENDED FOR APPROVAL FOR RIGHT OF WAY ACQUISITION	
DATE	DISTRICT PLANNING AND INVESTMENT MANAGER
DATE	DISTRICT PROJECT DEVELOPMENT ENGINEER
APPROVED FOR RIGHT OF WAY ACQUISITION	
DATE	DISTRICT ADMINISTRATOR

RECOMMENDED FOR APPROVAL FOR CONSTRUCTION	
DATE	DISTRICT PLANNING AND INVESTMENT MANAGER
DATE	DISTRICT PROJECT DEVELOPMENT ENGINEER
APPROVED FOR CONSTRUCTION	
DATE	DISTRICT ADMINISTRATOR

Copyright 2020, Commonwealth of Virginia

PROJECT 0058-101-902	SHEET NO. 1
-------------------------	----------------

PROJECT MANAGER *James Bullins 276-696-3349*
SURVEYED BY, DATE *Moody McCowan 276-525-6483, June 2018*
DESIGN BY *James Bullins 276-696-3349*
SUBSURFACE UTILITY BY, DATE *n/a*

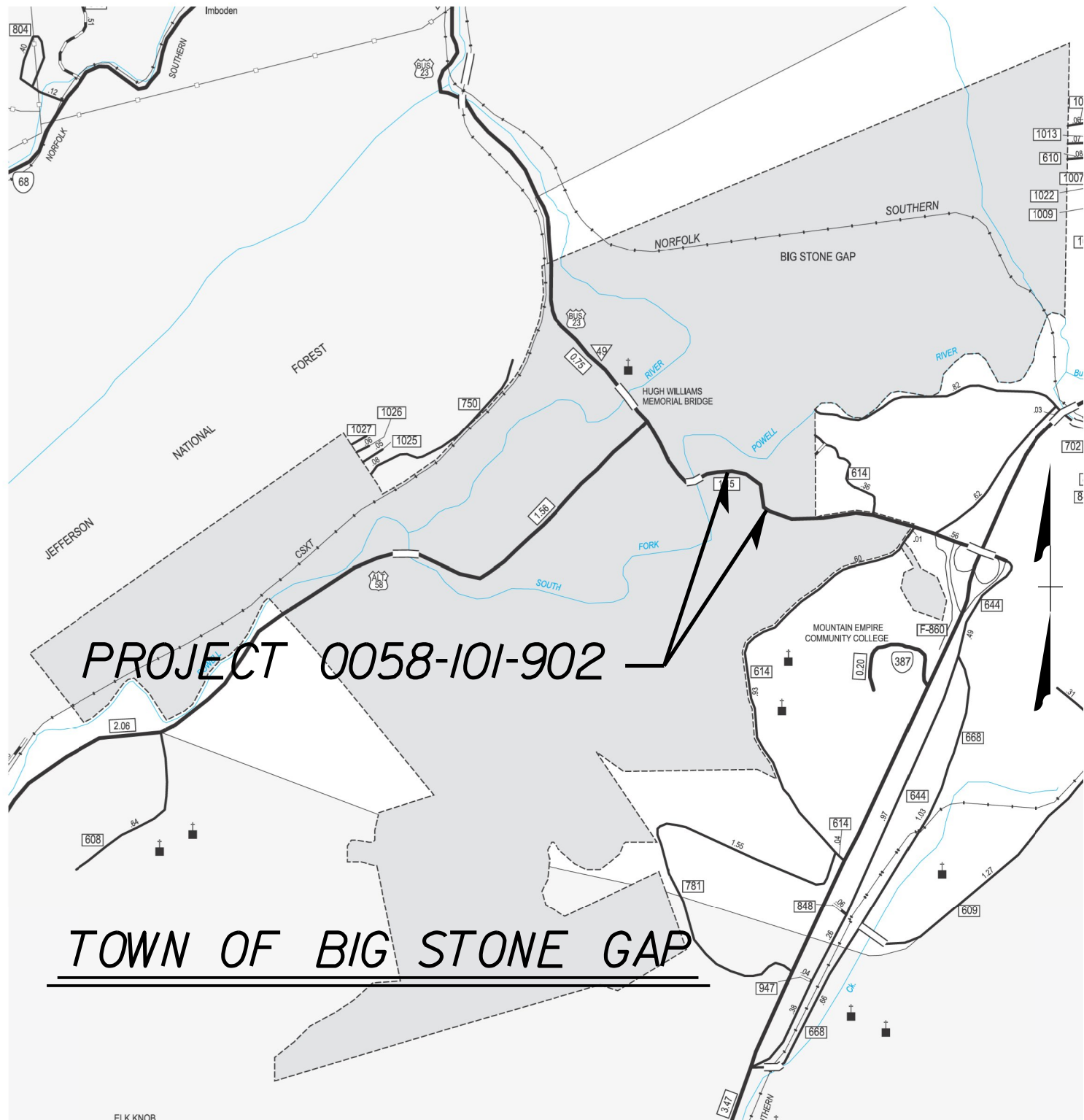
ADDITIONAL EASEMENTS FOR UTILITY
RELOCATIONS MAY BE REQUIRED
BEYOND THE PROPOSED RIGHT- OF-
WAY SHOWN ON THESE PLANS.

PUBLIC HEARING PLANS

THESE PLANS ARE UNFINISHED
AND UNAPPROVED AND ARE NOT
TO BE USED FOR ANY TYPE
OF CONSTRUCTION OR THE
ACQUISITION OF RIGHT OF WAY.

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	58	0058-101-902, RW-201 C-501	

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT



INDEX OF SHEETS

SHEET NO.	DESCRIPTION	STATION	TO	STATION
I	TITLE SHEET			
IA	LOCATION MAP, INDEX OF SHEETS & FILES			
IB, IC	*RIGHT OF WAY DATA ,REVISION DATA SHEET			
ID	SURVEY ALIGNMENT DATA			
IE	CONSTRUCTION ALIGNMENT DATA			
IF	SEQ. OF CONSTRUCTION			
IF	MAINT. OF TRAFFIC			
2	GENERAL NOTES			
2A	TYPICAL SECTIONS			
2B	SUMMARY			
2C	ROADSIDE DEVELOPMENT			
2E	DRAINAGE DESCRIPTIONS			
2F	DRAINAGE & E/S SUMMARIES			
3 - 3A	PLAN & PROFILE SHEETS	100+82.23		115+23.67
3B	E & S PHASE I PLAN			
3C	E & S PHASE II PLAN			
3RW	R/W PLAN			
4	ENTRANCE PROFILE			
I - 24	Cross Sections			

* Denotes sheets are not to be printed for construction, but sheets shall be included
in final set of construction plans stored in project wise.

INDEX OF FILES

Reference File Name(s) / Comments

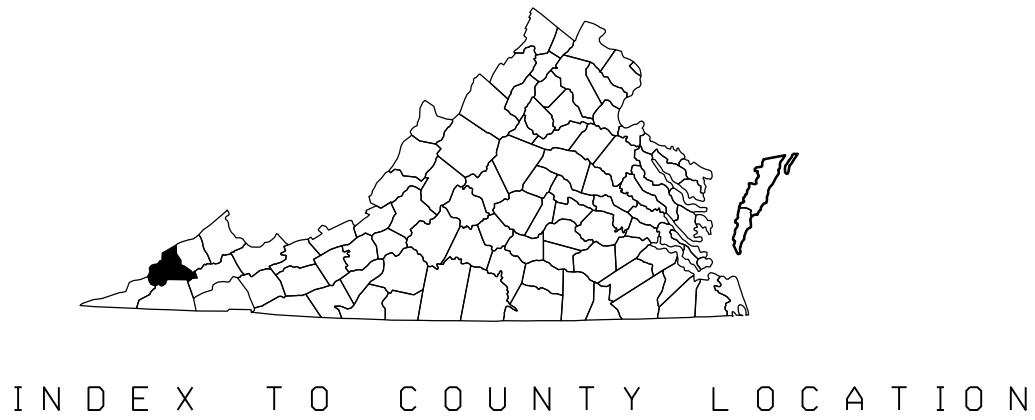
Master Graphic Files

sp110879.dgn	Property Owners
sl10879.dgn	Existing survey graphics
scr110879.dgn	existing contours
sbd110879.dgn	Survey Boundary/Property Lines
sul10879.dgn	utilities
d110879.tin	Survey tin 8/20/19
d110879rev.tin.dgn	active survey terrain model 8/21/19
d110879des.dgn	proposed roadway design graphics
onehalf model.dgn	model
h110879_des.dgn	proposed drainage
d110879stip.dgn	stippling
onehalf xs.dgn	working cross sections
d110879sht.dgn	working cross sections sheets
97a_wise.pdf	county map
r110879des.dgn	right of way master file
sw110879.dgn	existing wetlands

Reference File Name(s) / Comments

Plan Sheet Files

d110879003.dgn	Design Plan Sheet
r11087903rw.dgn	Right of Way Plan Sheet
r11087901b.dgn	Right of Way Data Sheet
onehalf xs.dgn	cross section work file
0058-101-902 c501_x.dgn	Master Cross Sections



WISE
COUNTY

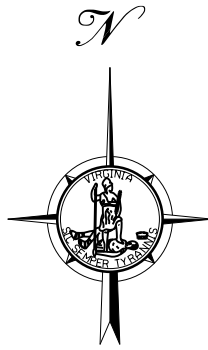
RTE 58
GILLEY AVENUE
LOCATION MAP



LEGEND

HIGHWAY ROUTE SIGNS

1	U.S. HIGHWAY
2	VA. PRIMARY HIGHWAY
333	VA. SECONDARY HIGHWAY



PROJECT MANAGER James Bullins 276-696-3349
SURVEYED BY, DATE Woody McCowan 276-525-6483 June 2018
DESIGN BY James Bullins 276-696-3349
SUBSURFACE UTILITY BY, DATE n/a

PRELIMINARY
RIGHT OF WAY DATA SHEET

THESE PLANS ARE UNFINISHED
AND UNAPPROVED AND ARE NOT
TO BE USED FOR ANY TYPE
OF CONSTRUCTION OR THE
ACQUISITION OF RIGHT OF WAY.

REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	58	0058-101-902, RW-201 C-501	1B

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT

City/County: Town of Big Stone Gap / Wise

UPC No.: 110879

[illegible]

PROJECT 0058-101-902	SHEET NO. 1B
-------------------------	-----------------

PROJECT MANAGER James Bullins 276-696-3349
SURVEYED BY, DATE Woody McCowan 276-525-6483 June 2018
DESIGN BY James Bullins 276-696-3349
SUBSURFACE UTILITY BY, DATE n/a

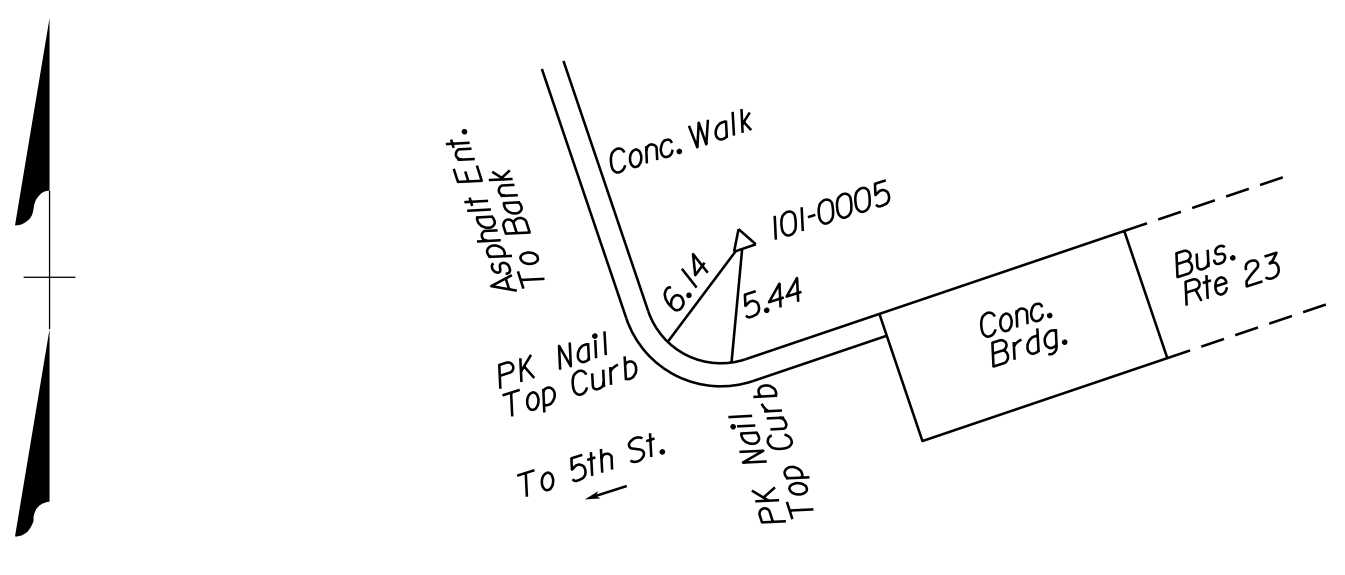
REVISION DATA SHEET

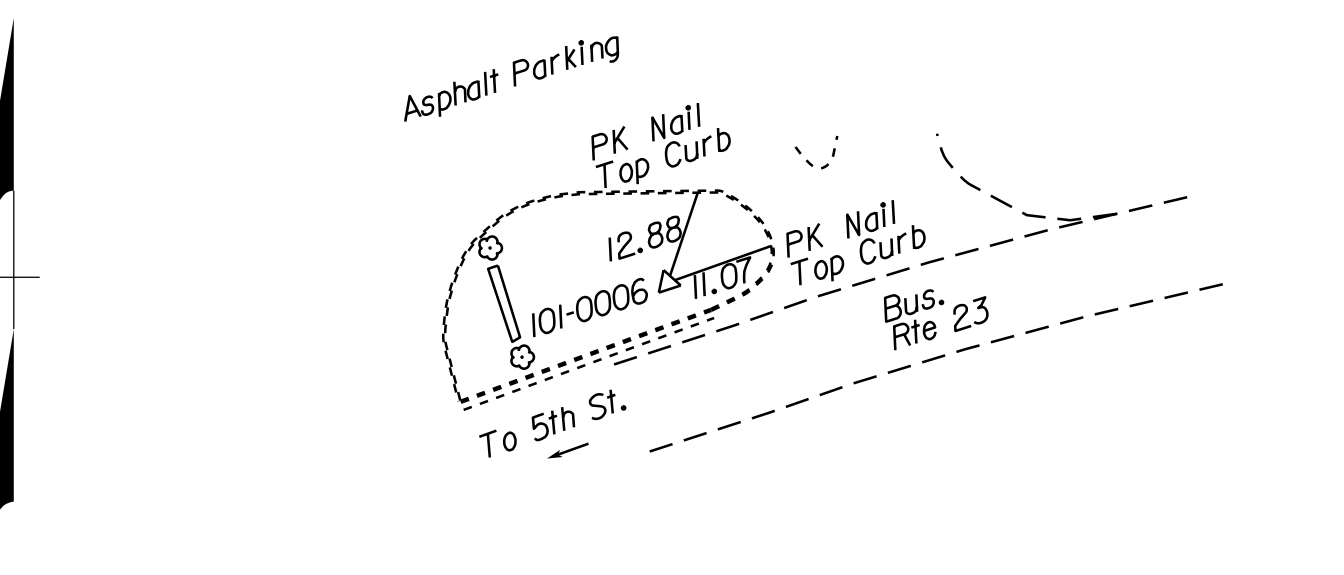
REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	58	0058-101-902, RW-201 C-501	1C

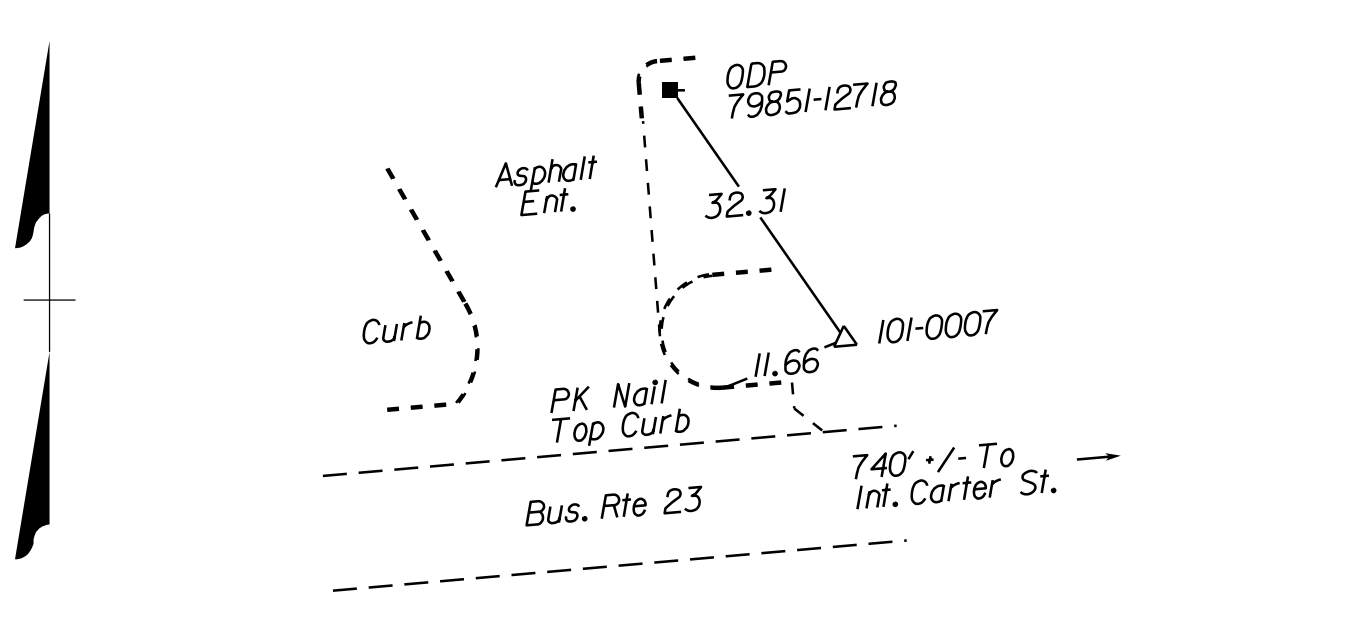
PUBLIC HEARING PLANS

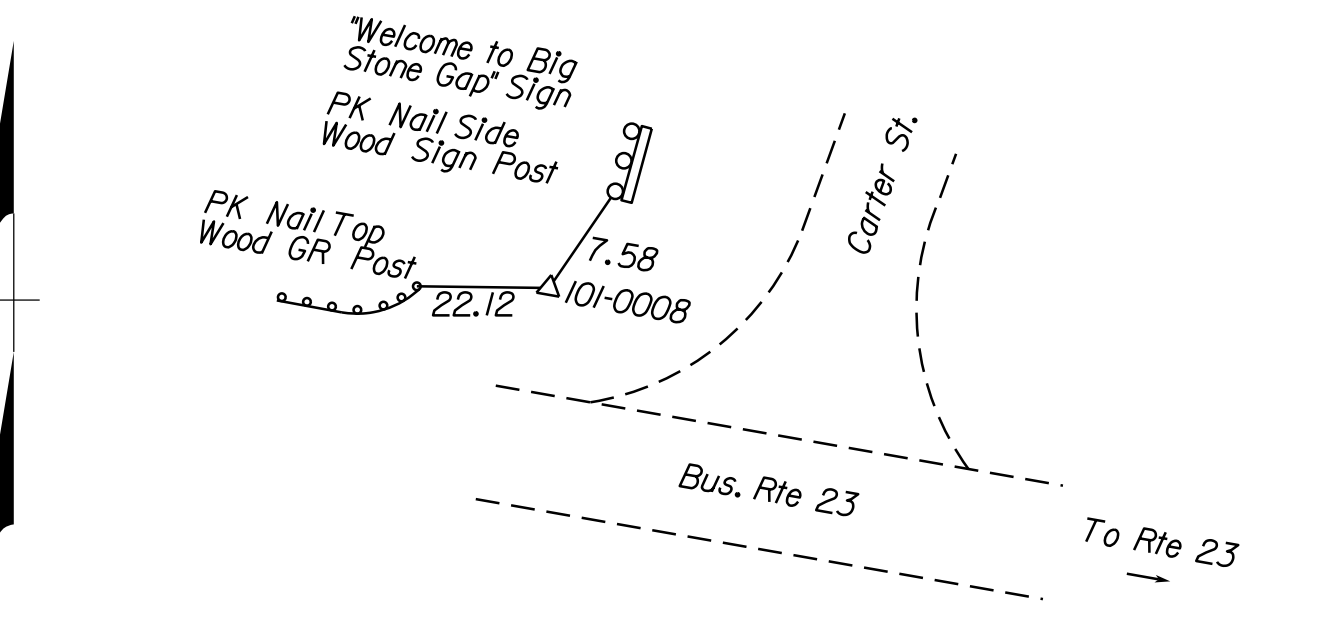
THESE PLANS ARE UNFINISHED
AND UNAPPROVED AND ARE NOT
TO BE USED FOR ANY TYPE
OF CONSTRUCTION OR THE
ACQUISITION OF RIGHT OF WAY.

PROJECT MANAGER James Bullins 276-696-3349
SURVEYED BY, DATE Moody McCowan 276-525-6483, June 2018
DESIGN BY James Bullins 276-696-3349
SUBSURFACE UTILITY BY, DATE N/A

LD-200 (REV. 10/2014) Virginia Department of Transportation Horizontal Control Control Station I.D. : <u>101-0005</u> Date : <u>1-08-18</u>	
VDOT Project Coordinates (2018) East (X) : <u>10234589.6447 ft.</u> North (Y) : <u>3502955.9896 ft.</u> Elevation : <u>1482.092 ft.</u>	VA State Plane Coordinates : NAD 83- U.S. Survey Feet East (X) : <u>10233719.7785 ft.</u> North (Y) : <u>3502658.2637 ft.</u> Ortho. Elevation (H) : <u>1482.092 ft.</u> Zone : North <u> </u> South <u> </u> (place an 'X' beside one)
Project Specific Combined Scale Factor: 1.000085000 (9 Decimal Places)	Project Information Project Number : <u>0058-101-902</u> Route : <u>23</u> City/County : <u>Town of Big Stone Gap</u> Established By : <u>Bristol VDOT</u>
Latitude : <u>36° 51' 53.84639" N</u> (5 Decimal Places) Longitude : <u>82° 46' 17.70186" W</u> (5 Decimal Places) Geoid Separation (N) : <u>-100.787</u> Ellipsoid Height (h) : <u>1381.305</u> Horizontal Datum : <u>NAD83</u> Year : <u>2018</u> Vertical Datum : <u>NAVD88</u> Geoid : <u>I2B</u> Azimuth to Station : <u> </u> is <u> </u> ' <u> </u> " Control Based On: Station (Name/PID) <u> </u> or Project (Monument No.) : <u> </u>	To convert Virginia State Plane Coordinates to VDOT Project Coordinates, use the following formula : * Multiply the Easting And Northing Values (For Both Zones) by the Project Specific Combined Scale Factor. (Located above left) * Reverse this Procedure to convert VDOT Project Coordinates (2018) to NAD 83 - U.S. Survey Feet
DETAILED SKETCH (Not to Scale) 	
LD-200 (REV. 10/2014)	

LD-200 (REV. 10/2014) Virginia Department of Transportation Horizontal Control Control Station I.D. : <u>101-0006</u> Date : <u>1-08-18</u>	
VDOT Project Coordinates (2018) East (X) : <u>10235118.7305 ft.</u> North (Y) : <u>3503154.1557 ft.</u> Elevation : <u>1483.827 ft.</u>	VA State Plane Coordinates : NAD 83- U.S. Survey Feet East (X) : <u>10234248.8194 ft.</u> North (Y) : <u>3502856.4129 ft.</u> Ortho. Elevation (H) : <u>1483.827 ft.</u> Zone : North <u> </u> South <u> </u> (place an 'X' beside one)
Project Specific Combined Scale Factor: 1.000085000 (9 Decimal Places)	Project Information Project Number : <u>0058-101-902</u> Route : <u>23</u> City/County : <u>Town of Big Stone Gap</u> Established By : <u>Bristol VDOT</u>
Latitude : <u>36° 51' 56.04019" N</u> (5 Decimal Places) Longitude : <u>82° 46' 11.30848" W</u> (5 Decimal Places) Geoid Separation (N) : <u>-100.787</u> Ellipsoid Height (h) : <u>1383.040</u> Horizontal Datum : <u>NAD83</u> Year : <u>2018</u> Vertical Datum : <u>NAVD88</u> Geoid : <u>I2B</u> Azimuth to Station : <u> </u> is <u> </u> ' <u> </u> " Control Based On: Station (Name/PID) <u> </u> or Project (Monument No.) : <u> </u>	To convert Virginia State Plane Coordinates to VDOT Project Coordinates, use the following formula : * Multiply the Easting And Northing Values (For Both Zones) by the Project Specific Combined Scale Factor. (Located above left) * Reverse this Procedure to convert VDOT Project Coordinates (2018) to NAD 83 - U.S. Survey Feet
DETAILED SKETCH (Not to Scale) 	
LD-200 (REV. 10/2014)	

LD-200 (REV. 10/2014) Virginia Department of Transportation Horizontal Control Control Station I.D. : <u>101-0007</u> Date : <u>1-08-18</u>	
VDOT Project Coordinates (2018) East (X) : <u>10237217.3955 ft.</u> North (Y) : <u>3502402.0427 ft.</u> Elevation : <u>1641.249 ft.</u>	VA State Plane Coordinates : NAD 83- U.S. Survey Feet East (X) : <u>10236347.3060 ft.</u> North (Y) : <u>3502104.3639 ft.</u> Ortho. Elevation (H) : <u>1641.249 ft.</u> Zone : North <u> </u> South <u> </u> (place an 'X' beside one)
Project Specific Combined Scale Factor: 1.000085000 (9 Decimal Places)	Project Information Project Number : <u>0058-101-902</u> Route : <u>23</u> City/County : <u>Town of Big Stone Gap</u> Established By : <u>Bristol VDOT</u>
Latitude : <u>36° 51' 49.54903" N</u> (5 Decimal Places) Longitude : <u>82° 45' 45.09313" W</u> (5 Decimal Places) Geoid Separation (N) : <u>-100.788</u> Ellipsoid Height (h) : <u>1540.461</u> Horizontal Datum : <u>NAD83</u> Year : <u>2018</u> Vertical Datum : <u>NAVD88</u> Geoid : <u>I2B</u> Azimuth to Station : <u> </u> is <u> </u> ' <u> </u> " Control Based On: Station (Name/PID) <u> </u> or Project (Monument No.) : <u> </u>	To convert Virginia State Plane Coordinates to VDOT Project Coordinates, use the following formula : * Multiply the Easting And Northing Values (For Both Zones) by the Project Specific Combined Scale Factor. (Located above left) * Reverse this Procedure to convert VDOT Project Coordinates (2018) to NAD 83 - U.S. Survey Feet
DETAILED SKETCH (Not to Scale) 	
LD-200 (REV. 10/2014)	

LD-200 (REV. 10/2014) Virginia Department of Transportation Horizontal Control Control Station I.D. : <u>101-0008</u> Date : <u>1-08-18</u>	
VDOT Project Coordinates (2018) East (X) : <u>10237869.4706 ft.</u> North (Y) : <u>3502308.1996 ft.</u> Elevation : <u>1668.787 ft.</u>	VA State Plane Coordinates : NAD 83- U.S. Survey Feet East (X) : <u>10236999.3257 ft.</u> North (Y) : <u>3502010.5287 ft.</u> Ortho. Elevation (H) : <u>1668.787 ft.</u> Zone : North <u> </u> South <u> </u> (place an 'X' beside one)
Project Specific Combined Scale Factor: 1.000085000 (9 Decimal Places)	Project Information Project Number : <u>0058-101-902</u> Route : <u>23</u> City/County : <u>Town of Big Stone Gap</u> Established By : <u>Bristol VDOT</u>
Latitude : <u>36° 51' 48.91309" N</u> (5 Decimal Places) Longitude : <u>82° 45' 37.02568" W</u> (5 Decimal Places) Geoid Separation (N) : <u>-100.788</u> Ellipsoid Height (h) : <u>1567.999</u> Horizontal Datum : <u>NAD83</u> Year : <u>2018</u> Vertical Datum : <u>NAVD88</u> Geoid : <u>I2B</u> Azimuth to Station : <u> </u> is <u> </u> ' <u> </u> " Control Based On: Station (Name/PID) <u> </u> or Project (Monument No.) : <u> </u>	To convert Virginia State Plane Coordinates to VDOT Project Coordinates, use the following formula : * Multiply the Easting And Northing Values (For Both Zones) by the Project Specific Combined Scale Factor. (Located above left) * Reverse this Procedure to convert VDOT Project Coordinates (2018) to NAD 83 - U.S. Survey Feet
DETAILED SKETCH (Not to Scale) 	
LD-200 (REV. 10/2014)	

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	58	0058-101-902, RW-201 C-501	

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

PUBLIC HEARING PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

SURVEY DATA SHEET

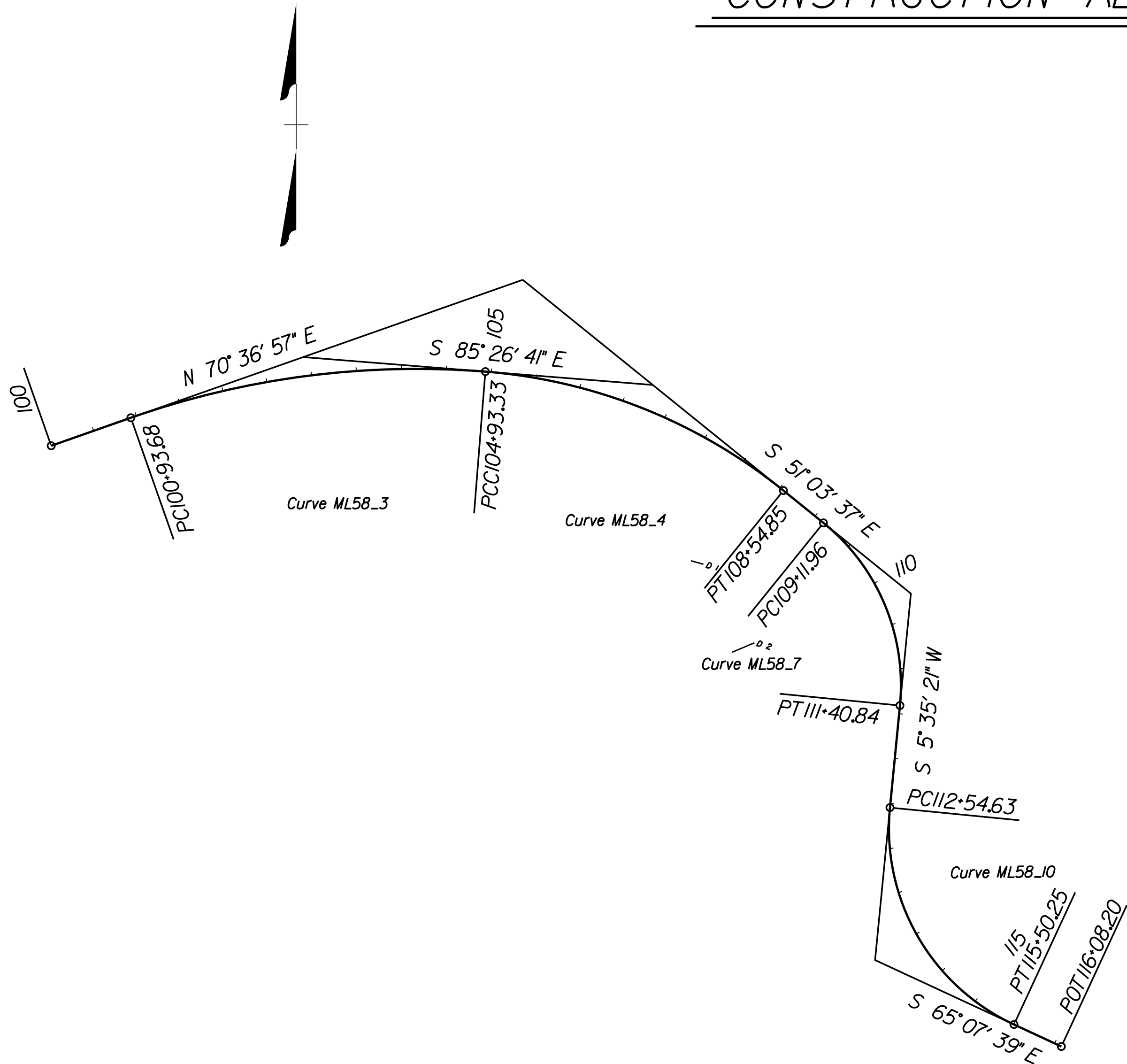
PROJECT	SHEET NO.
0058-101-902	1D

10/21/2020
9:59:59 AM
PROJECT MANAGER *James Bullins 276-696-3349*
SURVEYED BY, DATE *Moody McCowan 276-525-6483, June 2018*
DESIGN BY *James Bullins 276-696-3349*
SUBSURFACE UTILITY BY, DATE *n/a*

d11087901e.dgn
Plotted By: WAPC4107\$

	REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
		VA.	58	0058-101-902, RW-201 C-501	1E
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT					
VDOT Location & Design Bristol, Virginia ROADWAY ENGINEER					

CONSTRUCTION ALIGNMENT DATA



Alignment Name: ML58

Station	Northing	Easting
Element: Linear		
POB ()	100+00.0000 R1	3503110.7460 10235061.5331
PC ()	100+93.6795 R1	3503141.8384 10235149.9023
Tangential Direction: N 70 ° 36'56.6781" E		
Tangential Length: 93.6795		
Element: Circular ML 58_3		
PC ()	100+93.6795 R1	3503141.8384 10235149.9023
PI ()	102+96.4635 R1	3503209.1428 10235341.1912
CC ()	3502239.5587	10235467.3665
PCC ()	104+93.3299 R1	3503193.0371 10235543.3346
Radius: 956.5000		
Delta: 23 ° 56'22.7584" Right		
Degree of Curvature (Arc): 5 ° 59'24.5380"		
Length: 399.6504		
Tangent: 202.7840		
Chord: 396.7496		
Middle Ordinate: 20.7972		
External: 21.2595		
Tangent Direction: N 70 ° 36'56.6781" E		
Radial Direction: S 19 ° 23'03.3219" E		
Chord Direction: N 82 ° 35'08.0573" E		
Radial Direction: S 4 ° 33'19.4365" W		
Tangent Direction: S 85 ° 26'40.5635" E		
Element: Circular ML 58_4		
PCC ()	104+93.3299 R1	3503193.0371 10235543.3346
PI ()	106+79.7163 R1	3503178.2337 10235729.1322
CC ()	3502592.5301	10235495.4894
PT ()	108+54.8474 R1	3503061.0896 10235874.1051
Radius: 602.4100		
Delta: 34 ° 23'03.3583" Right		
Degree of Curvature (Arc): 9 ° 30'39.9373"		
Length: 361.5175		
Tangent: 186.3864		
Chord: 356.1169		
Middle Ordinate: 26.9163		
External: 28.1752		
Tangent Direction: S 85 ° 26'40.5635" E		
Radial Direction: S 4 ° 33'19.4365" W		
Chord Direction: S 68 ° 15'08.8844" E		
Radial Direction: S 38 ° 56'22.7948" W		
Tangent Direction: S 51 ° 03'37.2052" E		
Element: Linear		
PT ()	108+54.8474 R1	3503061.0896 10235874.1051
PC ()	109+11.9552 R1	3503025.1972 10235918.5240
Tangential Direction: S 51 ° 03'37.2052" E		
Tangential Length: 57.1079		

Element: Circular ML 58_7			
PC ()	109+11.9552 R1	3503025.1972	10235918.5240
PI ()	110+36.7339 R1	3502946.7736	10236015.5779
CC ()	3502845.1346	10235773.0259	
PT ()	111+40.8436 R1	3502822.5881	10236003.4253
Radius: 231.5000			
Delta: 56 ° 38'57.8517" Right			
Degree of Curvature (Arc): 24 ° 44'59.2684"			
Length: 228.8884			
Tangent: 124.7787			
Chord: 219.6786			
Middle Ordinate: 27.7168			
External: 31.4866			
Tangent Direction: S 51 ° 03'37.2052" E			
Radial Direction: S 38 ° 56'22.7948" W			
Chord Direction: S 22 ° 44'08.2794" E			
Radial Direction: N 84 ° 24'39.3535" W			
Tangent Direction: S 5 ° 35'20.6465" W			
Element: Linear			
PT ()	111+40.8436 R1	3502822.5881	10236003.4253
PC ()	112+54.6251 R1	3502709.3475	10235992.3438
Tangential Direction: S 5 ° 35'20.6465" W			
Tangential Length: 113.7815			
Element: Circular ML58_10			
PC ()	112+54.6251 R1	3502709.3475	10235992.3438
PI ()	114+24.5767 R1	3502540.2039	10235975.7916
CC ()	3502686.0187	10236230.7351	
PT ()	115+50.2470 R1	3502468.7125	10236129.9749
Radius: 239.5300			
Delta: 70 ° 42'46.8023" Left			
Degree of Curvature (Arc): 23 ° 55'12.3059"			
Length: 295.6219			
Tangent: 169.9516			
Chord: 277.2139			
Middle Ordinate: 44.1772			
External: 54.1674			
Tangent Direction: S 5 ° 35'20.8296" W			
Radial Direction: N 84 ° 24'39.1704" W			
Chord Direction: S 29 ° 46'02.5715" E			
Radial Direction: S 24 ° 52'34.0273" W			
Tangent Direction: S 65 ° 07'25.9727" E			
Element: Linear			
PT ()	115+50.2470 R1	3502468.7125	10236129.9749
POE ()	116+08.1960 R1	3502444.3391	10236182.5490
Tangential Direction: S 65 ° 07'39.2390" E			
Tangential Length: 57.9491			

PUBLIC HEARING PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF- WAY SHOWN ON THESE PLANS.

PROJECT MANAGER *James Bullins 276-696-3349*
SURVEYED BY, DATE *Woody McCowan 276-525-6483, June 2018*
DESIGN BY *James Bullins 276-696-3349*
SUBSURFACE UTILITY BY, DATE *JLQ*

SUGGESTED SEQUENCE OF CONSTRUCTION TRANSPORTATION MANAGEMENT PLAN

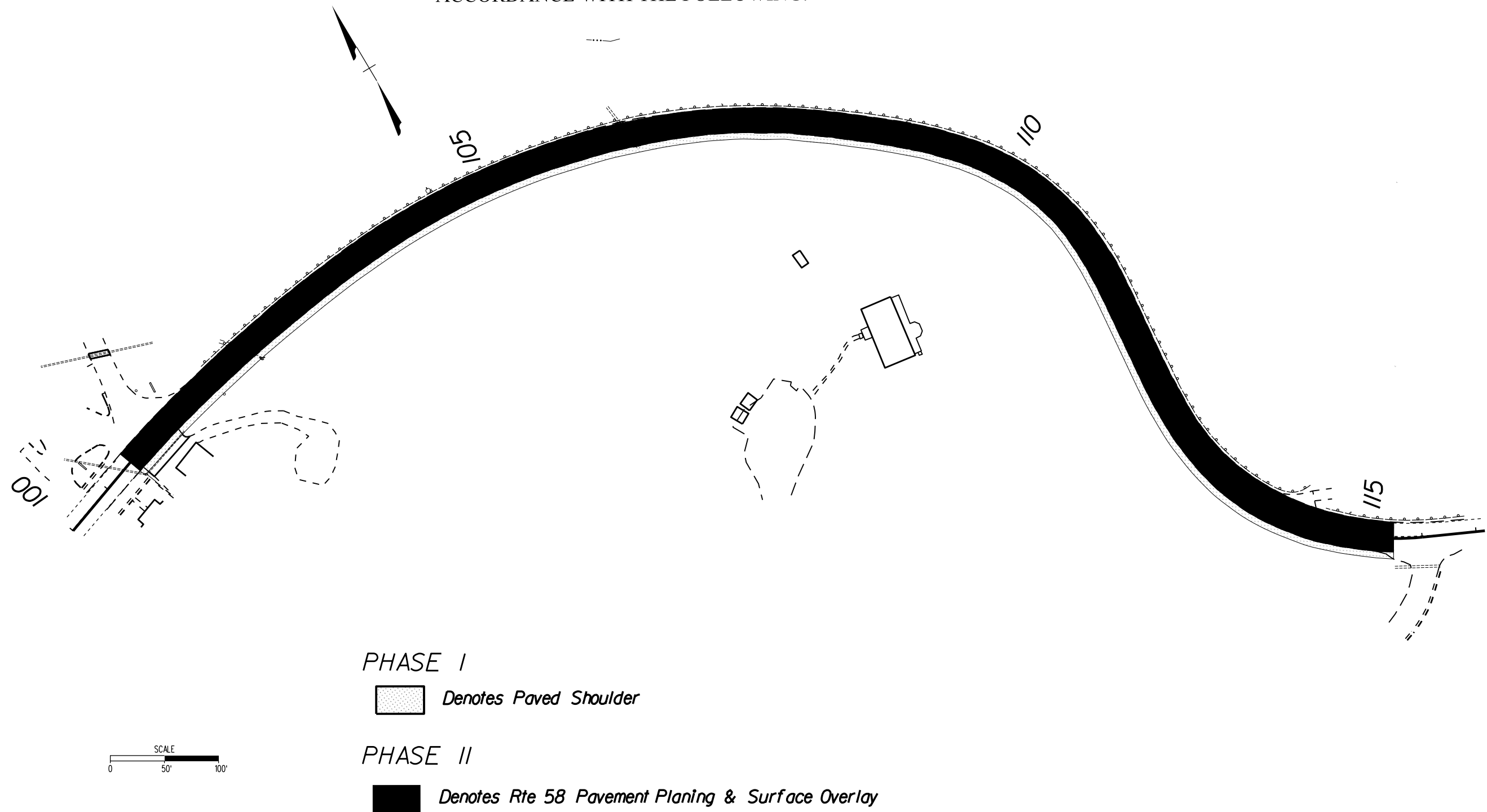
UNLESS OTHERWISE APPROVED OR DIRECTED BY THE ENGINEER
THE CONTRACTOR SHALL PLAN AND EXECUTE THE WORK IN
ACCORDANCE WITH THE FOLLOWING:

SEQUENCE OF CONSTRUCTION

- STEP A: INSTALL PHASED E&S CONTROLS BEFORE CONSTRUCTION ACTIVITIES (TO BE COORDINATED WITH EACH PHASE AS DETAILED ON THE E&S CONTROL PLANS)
- STEP B: INSTALL CONSTRUCTION SIGNS AND TEMPORARY TRAFFIC CONTROLS (TO BE COORDINATED WITH EACH PHASE)
- STEP C: INSTALL PROPOSED DRAINAGE PIPES, WATER & SEWERAGE PIPES, AND SHOULDER WIDENING.
- STEP D: MILL AND OVERLAY WITH FINAL PAVEMENT MARKINGS
- STEP E: REMOVE TEMPORARY E & S ITEMS AND CONST.SIGNS.

SEE CHAPTER 6 H VIRGINIA WORK AREA PROTECTION PROTECTION MANUAL FOR TYPICAL APPLICATIONS. WHILE NOT EVERY SITUATION IS ADDRESSED, THE INFORMATION ILLUSTRATED CAN GENERALLY BE ADAPTED TO A BROAD RANGE OF CONDITIONS.

SEE FIGURE TTC-23.2 VIRGINIA WORK AREA PROTECTION PROTECTION MANUAL FOR COMPONENT PARTS OF A LANE CLOSURE ON A TWO-LANE ROADWAY USING FLAGGERS.



GENERAL NOTES:

- 1) UNLESS OTHERWISE APPROVED OR DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL PLAN AND PROSECUTE THE WORK IN ACCORDANCE WITH THE FOLLOWING:
- 2) THE PHASES IN THIS SUGGESTED SEQUENCE OF CONSTRUCTION SHALL BE FOLLOWED UNLESS THE CONTRACTOR SUBMITS AND SECURES THE APPROVAL OF THE ENGINEER FOR A SEQUENCE WHICH WILL BOTH EXPEDITE CONSTRUCTION WHILE LESSENING THE EFFECT OF SUCH CONSTRUCTION UPON THE TRAVELING PUBLIC. THE INTENT OF THE CONTRACT AND SUGGESTED SEQUENCE OF CONSTRUCTION IS THAT PORTIONS OF ROADWAYS IN THE DIFFERENT PHASES MAY BE ALLOWED TO BE CONSTRUCTED PROVIDED THEY DO NOT INTERFERE WITH EXISTING TRAFFIC FLOW AND/OR DO NOT CAUSE ANY DELAY IN THE PROJECT COMPLETION.
- 3) VEHICULAR TRAFFIC, PEDESTRIAN TRAFFIC, AND ENTRANCES SHALL BE MAINTAINED THROUGHOUT THE LIMITS OF PROJECT BY PROVIDING AND MAINTAINING ALL TRAFFIC CONTROL DEVICES CONFORMING TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD 2009 WITH REV. 1 & 2), THE VIRGINIA WORK AREA PROTECTION MANUAL DATED 2011 REVISION 2, AND VA SUPPLEMENT TO THE MUTCD 2011.
- 4) ALL TRAFFIC CONTROL DEVICES AND SIGNS NECESSARY FOR MAINTENANCE OF TRAFFIC ARE TO BE PROVIDED, INSTALLED, MAINTAINED, AND REMOVED BY THE CONTRACTOR. DEVICE LOCATIONS SHALL BE MARKED BY THE CONTRACTOR AND REVIEWED BY THE ENGINEER PRIOR TO INSTALLATION. ALL SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH THE 2011-REV.2 VIRGINIA WORK AREA PROTECTION MANUAL AND WSP-1 IN THE ROAD AND BRIDGE STANDARDS.
- 5) CONSTRUCTION AND PERMANENT PAVEMENT MARKING SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- 6) THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH AFFECTED AERIAL AND UNDERGROUND UTILITY COMPANIES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, SPECIAL PROVISIONS, AND PLANS. THE CLEAR ZONE SHALL BE MAINTAINED FREE FROM STORED MATERIAL AND PARKED EQUIPMENT. IDLE CONSTRUCTION EQUIPMENT SHALL NOT IMPACT SIGHT DISTANCES.
- 7) IT IS NOT THE INTENT OF THE SEQUENCE OF CONSTRUCTION PLAN TO ENUMERATE EVERY DETAIL WHICH MUST BE CONSIDERED IN THE CONSTRUCTION OF EACH PHASE, BUT ONLY TO SHOW THE GENERAL HANDLING OF TRAFFIC.
- 8) THE CONTRACTOR SHALL CONFORM TO PART 6 OF THE VA WORK AREA PROTECTION MANUAL 2011 EDITION REV. 2 FOR SPECIFIC TYPES OF OPERATION DETAILING TEMPORARY TRAFFIC CONTROL FIGURES & SECTIONS. QUALITY SHALL CONFORM TO THE GUIDELINES FOR TRAFFIC CONTROL DEVICES & FEATURES INCLUDED IN ATSSA 2014 EDITION.

		REVISED	STATE	STATE		SHEET NO.
				ROUTE	PROJECT	
				VA.	58	0058-101-902, RW-201 C-501
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT						
SWRO Traffic Bristol, Virginia Traffic Engineer	VDOT Location & Design Bristol, Virginia ROADWAY ENGINEER					

PUBLIC HEARING PLANS

THESE PLANS ARE UNFINISHED
AND UNAPPROVED AND ARE NOT
TO BE USED FOR ANY TYPE
OF CONSTRUCTION OR THE
ACQUISITION OF RIGHT OF WAY.

ADDITIONAL EASEMENTS FOR UTILITY
RELOCATIONS MAY BE REQUIRED
BEYOND THE PROPOSED RIGHT-
OF-WAY SHOWN ON THESE PLANS.

PROJECT	0058-101-902	SHEET NO.	1F
---------	--------------	-----------	----

PROJECT MANAGER *James Bullins 276-696-3349*
SURVEYED BY, DATE *Moody McCowan 276-525-6483, June 2018*
DESIGN BY *Bryan Glover 276-696-3422*
SUBSURFACE UTILITY BY, DATE *n/a*

MAINTENANCE OF TRAFFIC

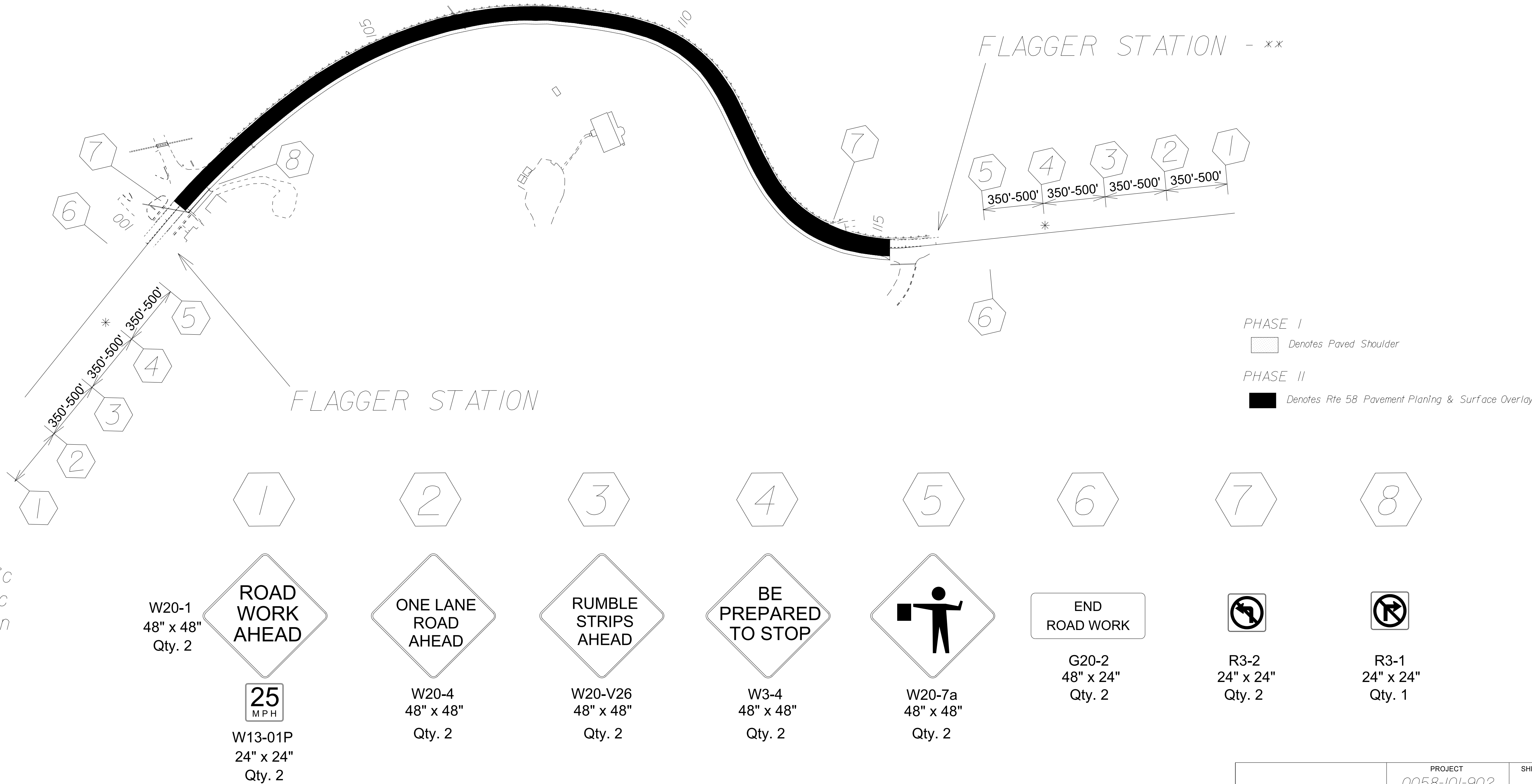
Work Zone Signing Plan
Not to Scale

	REVISED	STATE	STATE		SHEET NO.
		VA.	ROUTE	PROJECT	
			58	0058-101-902, RW-201	
				C-501	
	DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
SWRO Traffic Bristol, Virginia Traffic Engineer					

PUBLIC HEARING PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.



PROJECT MANAGER James Bullins 276-696-3349
SURVEYED BY, DATE Woody McCowan 276-525-6483, June 2018
DESIGN BY James Bullins 276-696-3349
SUBSURFACE UTILITY BY, DATE JL/a

ADDITIONAL EASEMENTS FOR UTILITY
RELOCATIONS MAY BE REQUIRED
BEYOND THE PROPOSED RIGHT- OF-
WAY SHOWN ON THESE PLANS.

GENERAL NOTES

GRADING

- G-1 The grade line denotes top of finished pavement unless shown otherwise on typical sections or plans.
- G-2 Earthwork quantities on this project are based on anticipated settlement and may require adjusting during construction.

DRAINAGE

- D-1 The horizontal location of all drainage structures shown on these plans is approximate only, with the exception of structures showing specific stations, special design bridges and storm sewer systems.
- D-2 The horizontal location and invert elevations shown for proposed culverts and storm sewer outfall pipes are based on existing survey data and required design criteria. If during construction, it is found that the horizontal location or invert elevations shown on the plans differ significantly from the horizontal location or elevations of the stream or swale in which the culvert or storm sewer outfall pipe is to be placed, the Engineer shall confer with, and get approval from, the applicable District Drainage Engineer before installing the culvert or storm sewer outfall pipe.
- D-3 The "H" dimensions shown on plans for drop inlets and junction boxes and the "L.F." dimensions shown for manholes are for estimating purposes and are based on the proposed invert elevations shown for the structure and the anticipated top (rim) elevation based on existing or proposed finished grade. The actual "H" or "L.F." dimensions are to be determined by the contractor from field conditions.
- D-6 Pipes shall conform to any of the allowable types shown on sheet number 2E, within the applicable height of cover limitations. For strength, sheet thickness, or class designation; available sizes; height of cover limitations; and other restrictions for a particular pipe type or height of cover, see the VDOT Road and Bridge Standard PC-1. Structural plate pipe may be substituted for corrugated pipe of the same size, provided the substitution complies with the applicable sections of the VDOT Road and Bridge Standards PC-1.
- D-10 The proposed riprap may be omitted by the Engineer if the slope designated for placement of riprap is found to be comprised of solid rock or closely consolidated boulders with soundness, size and weight equal to, or exceeding, the specifications for the proposed riprap.
- D-12 All existing drainage facilities labeled "To Be Abandoned" shall be left in place, backfilled and plugged in accordance with the VDOT Road and Bridge Standard PP-1. Basis of Payment will be C.Y. of Flowable Backfill.

PAVEMENT

- P-2 The pavement materials on this project will be paid for on a tonnage basis. The weight will vary in accordance with the specific gravity of the aggregates and the asphaltic content of the mix actually used to secure the design depth. The weight of the asphalt concrete is based on 95% of the theoretical maximum density.

INCIDENTALS

- I-4 All trees located within the Clear Zone or within a minimum of 30 feet of the edge of pavement, within the limits of the right of way or construction easement, unless otherwise noted on plans or directed by the Engineer, shall be removed, as provided for a Section 301 of the applicable VDOT Road and Bridge Specifications.
- I-7 Where Standard slope roundoffs would damage trees, bushes or other desirable vegetation, they shall be omitted when so ordered by the Engineer.
- I-9 When no centerline alignment is shown for a proposed entrance, the entrance shall be constructed in the same location as the existing entrance.

- I-19 The following outside sources, under contract with VDOT, have provided information on this project.

Utility Design - Mattern & Craig
If questions or problems arise during construction, please contact the Area Construction Engineer. DO NOT CONTACT THE OUTSIDE SOURCES.

- I-20 The Official Electronic PDF Version of the plans will override the paper copies or prints of specific layers.

Portions of this plan assembly have been CADD generated. To assist in the preparation of the bid and construction of the project, Microstation format (.dgn) files will be made available to the prime contractor during bids and after award of the contract.

- I-21 All electronic plan assemblies will include the construction plans in two formats: PDF files and MicroStation format (.dgn) files. Only the PDF files will be considered as part of the official plan assembly.

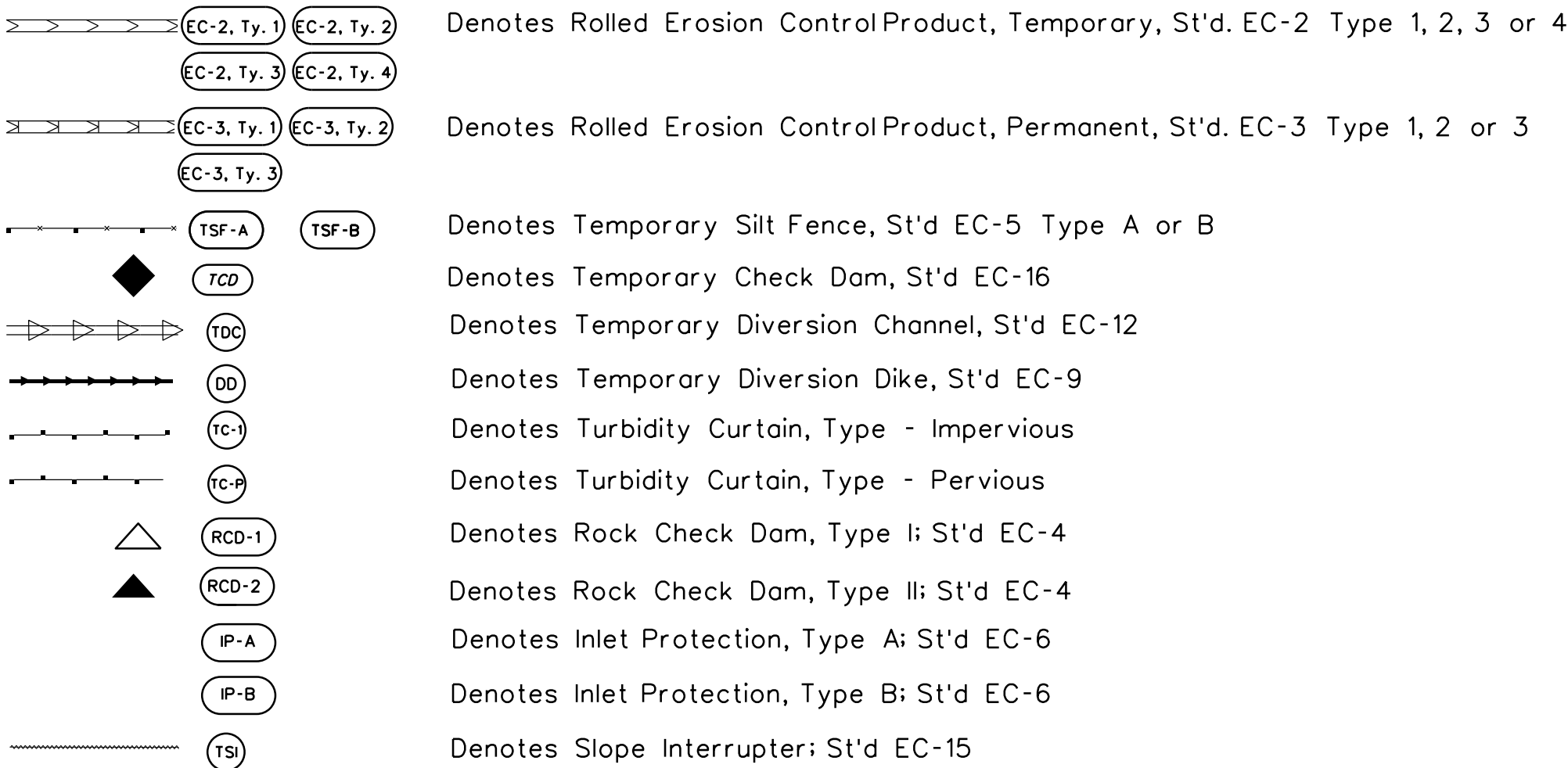
The MicroStation format (.dgn) files are furnished only as information for the contractor. These plans are developed in layers (levels) to aid in readability. (See the VDOT CADD Manual for CADD Level Structure). However, the construction items may or may not be in the proper layering scheme as described in the VDOT CADD Manual. The Microstation files will only match the scanned files if all required levels are turned on. A Microstation Software license is required to be able to read these files.

EROSION AND SEDIMENT CONTROL (ESC)

- E-1 If the removal of Brush Silt Barrier is specified by the plans or required by the Engineer, the cost of removal and disposal of brush shall be in accordance with Section 109 of the applicable VDOT Road and Bridge Specifications.

- E-2 Rock for Check Dams, Inlet Protection, Erosion Control Stone and Riprap shall be in accordance with Section 203 and Section 414 of the applicable VDOT Road and Bridge Specifications.

- E-3 The following symbols are used to depict Erosion Control items in the plan assembly:



- E-4 Permanent vegetation shall be established on all denuded areas not otherwise stabilized with non-erodible materials. See the Roadside Development sheet for details on permanent vegetation establishment.

PUBLIC HEARING PLANS

THESE PLANS ARE UNFINISHED
AND UNAPPROVED AND ARE NOT
TO BE USED FOR ANY TYPE
OF CONSTRUCTION OR THE
ACQUISITION OF RIGHT OF WAY.

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	58	0058-101-902, RW-201 C-501	

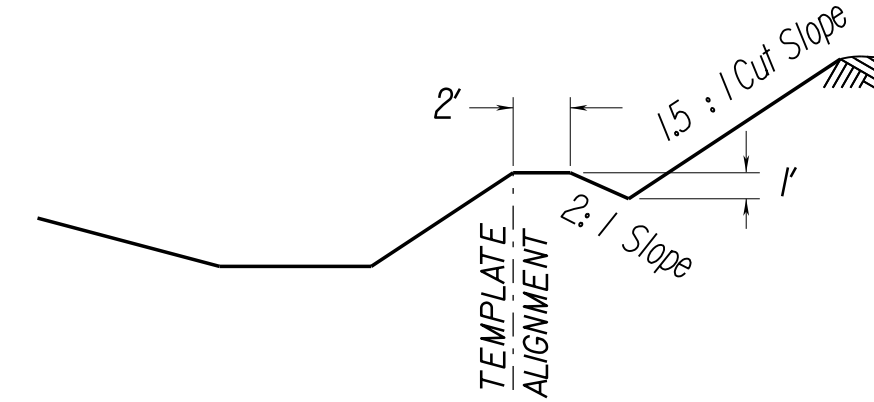
DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT

PROJECT MANAGER James Bullins 276-696-3349
SURVEYED BY, DATE Woody McCowan 276-525-6483 June 2018
DESIGN BY James Bullins 276-696-3349
SUBSURFACE UTILITY BY, DATE n/a

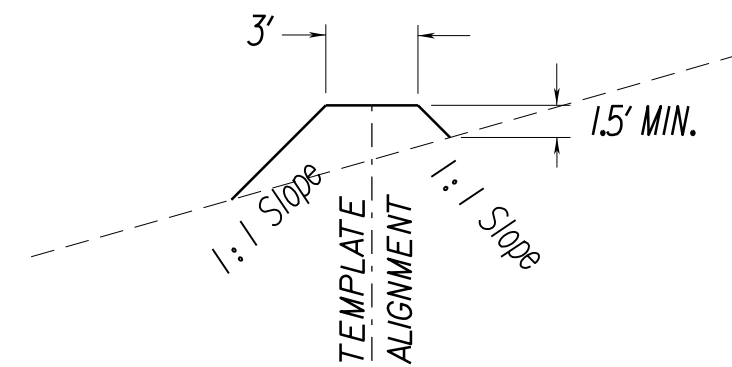
PUBLIC HEARING PLANS

THESE PLANS ARE UNFINISHED
AND UNAPPROVED AND ARE NOT
TO BE USED FOR ANY TYPE
OF CONSTRUCTION OR THE
ACQUISITION OF RIGHT OF WAY.

STA. 103+67 TO STA. 106+50
SEE CROSS SECTIONS FOR OFFSETS & ELEVATIONS

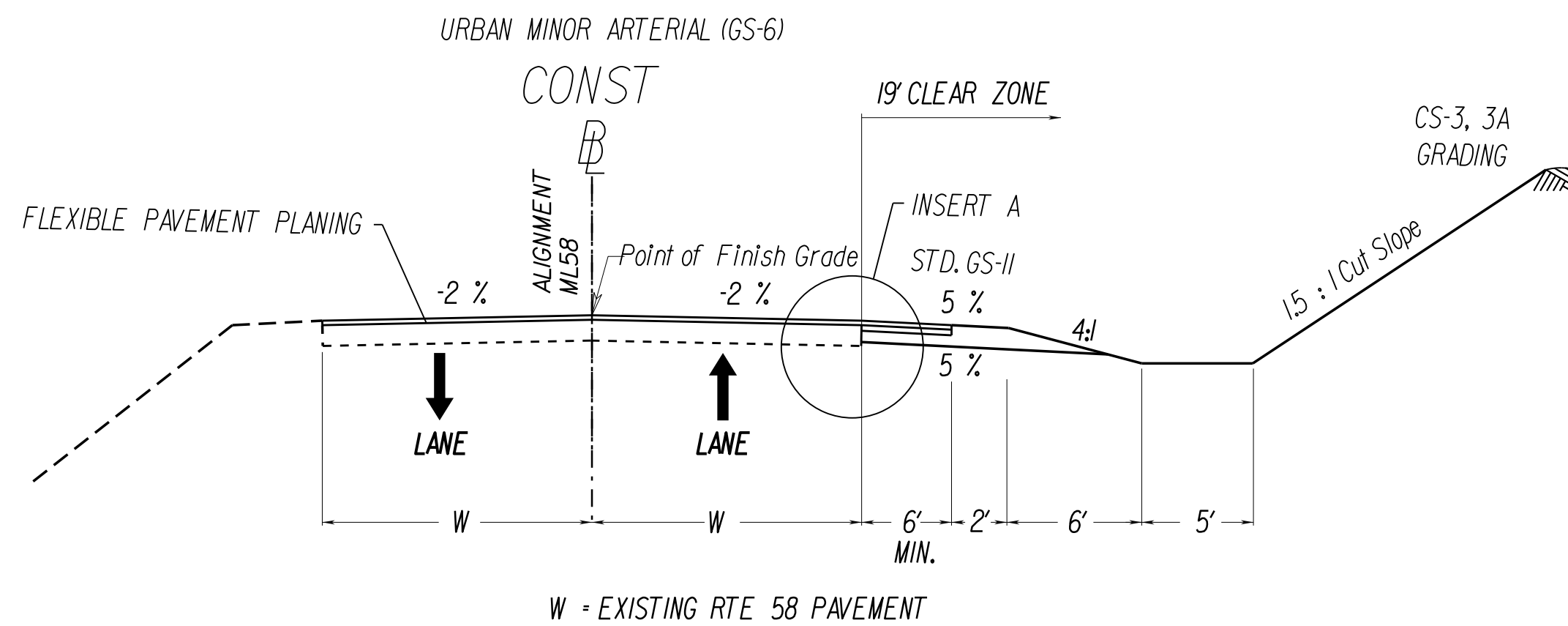


STA. 102+67 TO STA. 103+67
SEE CROSS SECTIONS FOR OFFSETS & ELEVATIONS



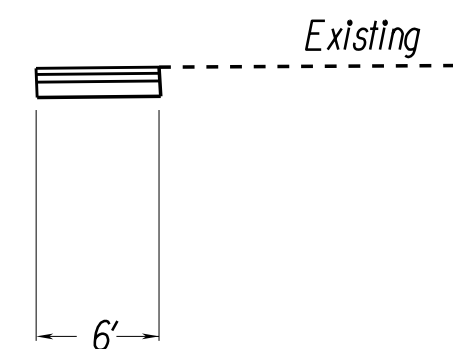
A diagram of a road cross-section. It shows a horizontal line representing the road surface, which slopes downward from left to right. A dashed line below the surface indicates the original ground level. A rectangular structure, possibly a drainage ditch or a small bridge, is shown on the left side of the road. The slope is labeled as -2%.

Note: Grade Subsurface Courses on a minus $\frac{1}{4}":1'$ slope from edge of pavement.



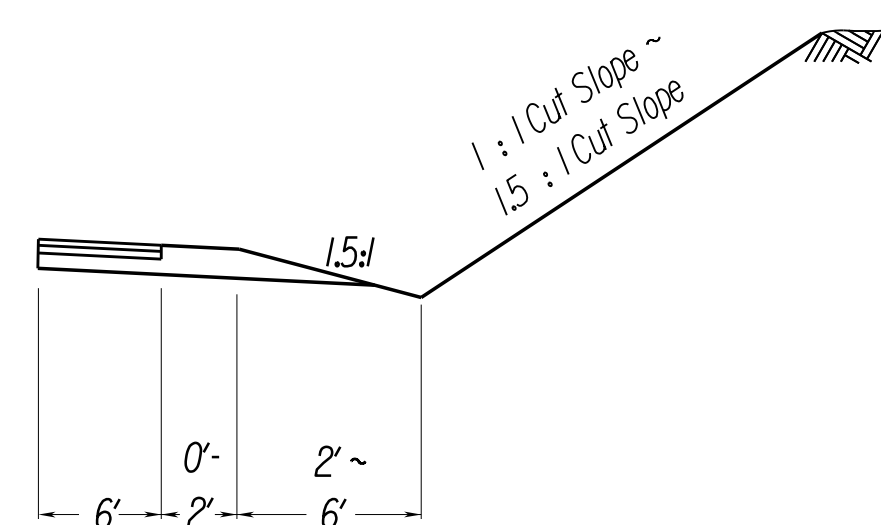
TYPICAL SECTION

STATION	TO	STATION	REMARKS
100+82.23		102+38.00	TRANSITION
102+38.00		112+54.63	RTE 58
112+54.63		115+23.67	TRANSITION

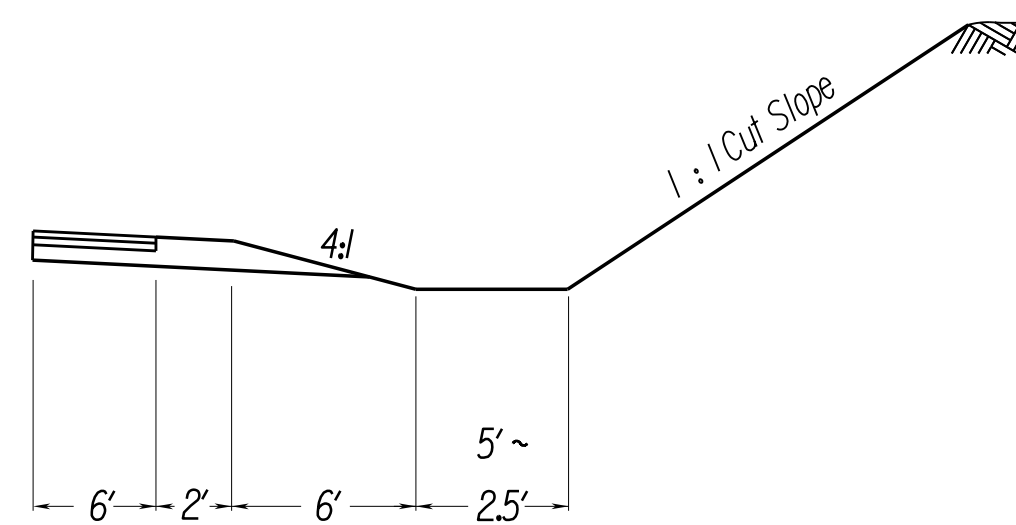


STA. 100+87 TO STA. 101+35
TRANSITION TO EXISTING ENTRANCE

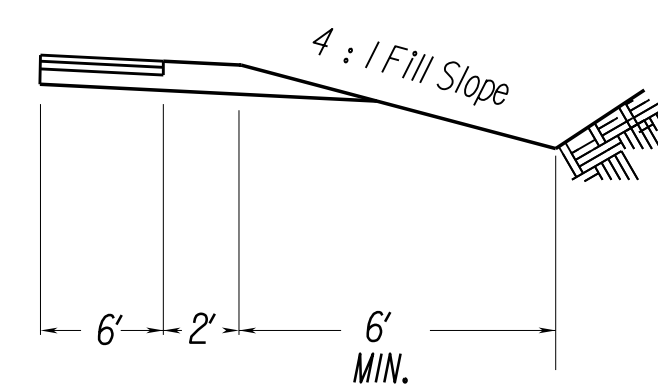
SEE CROSS SECTIONS FOR OFFSETS & ELEVATIONS



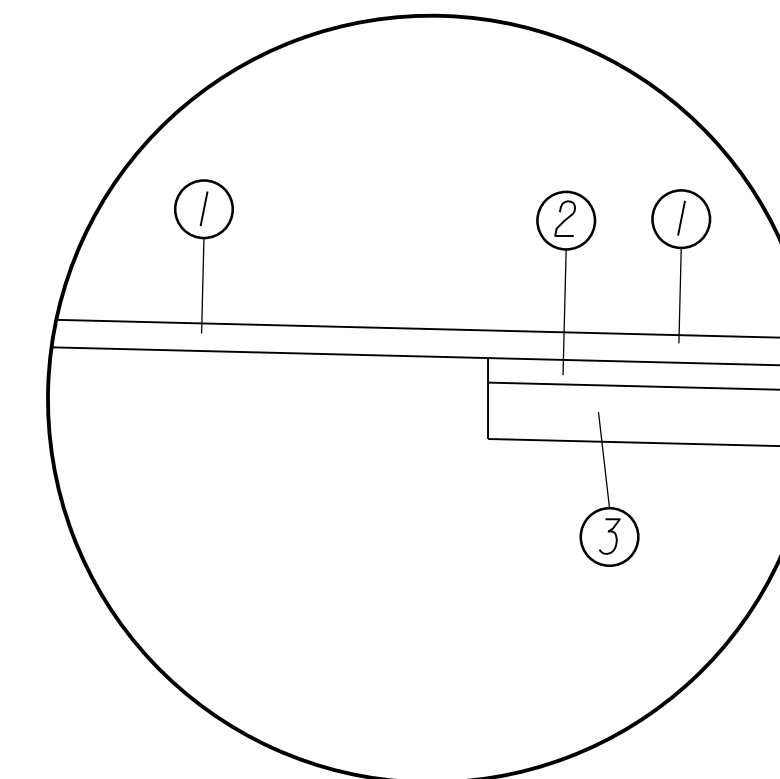
STA. 101+35 TO STA. 102+38
TRANSITION TO EXISTING ROADWAY



STA. 112+63 TO STA. 113+13
TRANSITION TO EXISTING ROADWAY

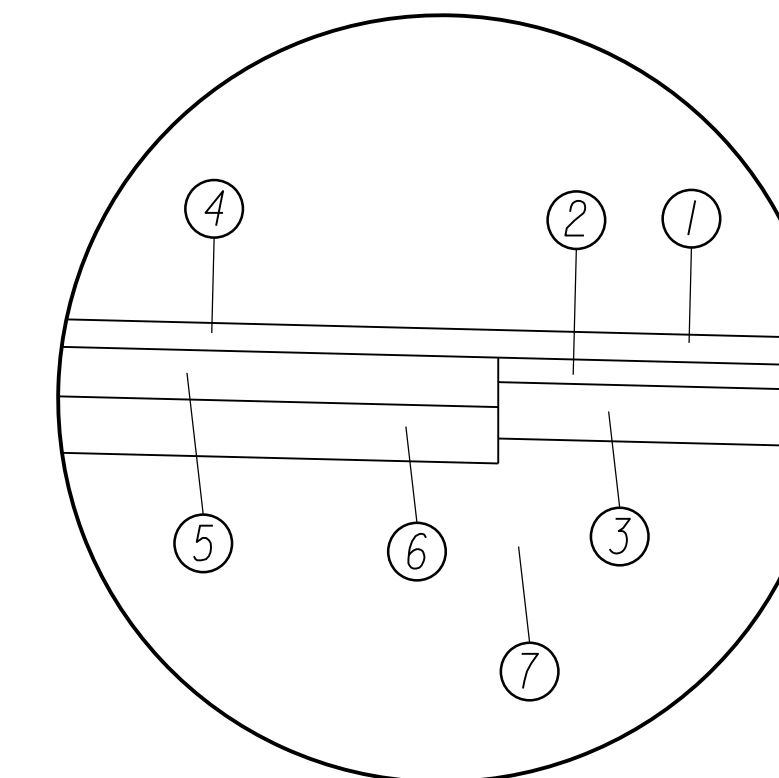


STA. 113+13 TO STA. 115+23.67
TRANSITION TO EXISTING ROADWAY



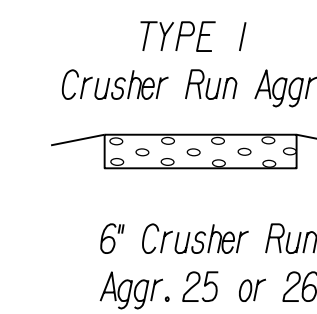
INSERT A

- ① SURFACE ASPHALT CONCRETE TYPE SM-12.5E
@ 220 LBS.PER SQ.YD.
- ② BASE 4" ASPHALT CONCRETE BASE COURSE
BM-25.0A
- ③ SUBBASE 6" & VARIABLE AGGREGATE BASE MATERIAL TYPE 1
NO. 21-B (Subbase Daylight through shoulder)

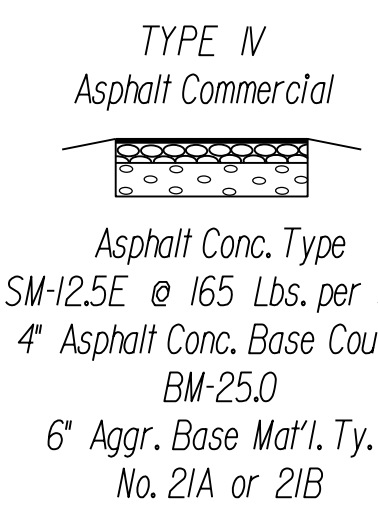
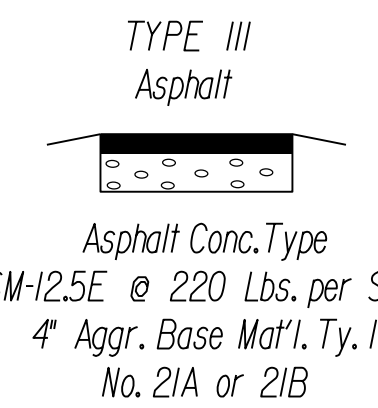


- | | | | |
|-----------|---|------------|---|
| ① SURFACE | ASPHALT CONCRETE TYPE SM-12.5E
@ 220 LBS.PER SQ.YD. | ④ SURFACE | ASPHALT CONCRETE TYPE SM-12.5E
@ 220 LBS.PER SQ.YD. |
| ② BASE | 4" ASPHALT CONCRETE BASE COURSE
BM-25.0A | ⑤ BASE | 8" ASPHALT CONCRETE BASE COURSE
BM-25.0A |
| ③ SUBBASE | 6" & VARIABLE AGGREGATE BASE
MATERIAL TYPE 1 NO. 21-B
(Subbase Daylight through shoulder) | ⑥ SUBBASE | 6" AGGREGATE BASE MATERIAL TYPE 1
NO. 21-B (Subbase) |
| | | ⑦ BACKFILL | BEDDING AGGR. MATL. 25 OR 26 BACKFILL OVER PIPES |

PRIVATE AND COMMERCIAL ENTRANCES



The type of entrance (I, III, IV) to be constructed will be determined by the existing condition at the time of construction.



INSERT FOR PROPOSED PIPES
CROSSING RTE 58

	PROJECT 0058-101-902	SHEET NO. 2A
--	-------------------------	-----------------

PROJECT MANAGER *James Bullins 276-696-3349*
SURVEYED BY, DATE *Moody McCowan 276-525-6483, June 2018*
DESIGN BY *James Bullins 276-696-3349*
SUBSURFACE UTILITY BY, DATE *JLd*

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	58	0058-101-902, RW-201 C-501	

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT

PAVEMENT QUANTITY

LOCATION		MAINLINE PAVED AREA (PIPES)	PAVED SHOULDER AREA (6' WIDE)	SAWCUT LINE (@ WHITE LINE) TO EX. EDGE OF PAVEMENT	PLANING	MAINLINE				SHOULDER			ENTRANCES			
						SUBBASE	BASE	SURFACE	PIPE BACKFILL	SUBBASE	BASE	SURFACE	SUBBASE	BASE	SURFACE	SURFACE
						AGGR. BASE MATL. TY. I NO. 21B 150 LB/CF *	ASPHALT CONCRETE TY. BM-25.0A 920 LB/SY	ASPHALT CONCRETE TY. SM-12.5A 220 LB/SY	BEDDING AGGR. 25 OR 26 (NOT INC. STD PB-I)	AGGR. BASE MATL. TY. I NO. 21B 150 LB/CF *	ASPHALT CONCRETE TY. BM-25.0A 460 LB/SY	ASPHALT CONCRETE TY. SM-12.5A 220 LB/SY	AGGR. BASE MATL. TY. I NO. 21B 150 LB/CF *	ASPHALT CONCRETE TY. BM-25.0A 460 LB/SY	ASPHALT CONCRETE TY. SM-12.5A 165 LB/SY	CRUSHER RUN 25 OR 26
SHEET	STATION TO STATION	SQ. FT.	SQ. FT.	SQ. FT.	SQ. FT.	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON
3	100+82.23 TO 115+23.67		8576		36032			441		814	220	105				
3	100+82.23 TO 115+23.67			1442						58	37					
3	CENTERLINE PIPE 102+28.6	180				8	10		140 **							
3	CENTERLINE PIPE 106+43.0	180				8	10		130 ***							
3	CENTERLINE PIPE 109+05.3	112				5	6		55							
SUBTOTALS						21	26	441	325	872	257	105	4	3	1	13

* Includes 6% moisture correction

PIPE BEDDING NOTES:

** REMOVE MATERIAL BELOW PIPE FOR A DEPTH 1' 4".
*** REMOVE MATERIAL BELOW PIPE FOR A DEPTH 1' 6".
BACK FILL WITH COMPACTED BEDDING AGGR. * 25 OR 26.
STD. PB-I BEDDING AND EXCAVATION TO BE INCLUDED
WITH BID PRICE OF PIPES.

PAVEMENT GRAND TOTALS

AGGR. BASE MATL. TY. I NO. 21B	ASPHALT CONCRETE TY. BM-25.0A	ASPHALT CONCRETE TY. SM-12.5A	CRUSHER RUN 25 OR 26	BEDDING AGGR. 25 OR 26
TON	TON	TON	TON	TON
897	286	547	13	325

CLEARING OF PARCEL SUMMARY

SHEET NO.	PARCEL NO.
3	005

GUARDRAIL SUMMARY

SHEET	STATION TO STATION	LOCATION	SALVAGE EXIST. GUARDRAIL	INSTALL SALVAGED GUARDRAIL
			L.F.	L.F.
3	102+16 ~ 102+41	LEFT RTE 58	25	25
3	106+31 ~ 106+56	LEFT RTE 58	25	25
3	108+87 ~ 109+12	LEFT RTE 58	25	25
TOTALS			75	75

DEMOLITION OF BUILDING SUMMARY

SHEET NO.	PARCEL NO.	BUILDING NO.	TYPE
3	005	D 1	Fr. Bldg.
3	005	D 2	1 Story Dwelling

WORK TO BE DONE BY STATE FORCES

R/W MONUMENT RM-2	T.E.C.

INCIDENTAL SUMMARY

	MOBILI- ZATION	CONSTRUC- TION SURVEYING (CONST.)	CLEARING AND GRUBBING	SAW- CUT ASPH. CONC. (12" DEPTH) **	TEMP. (CONST.) SIGN	GROUP 2 CHANNEL- IZING DEVICES	FLAGGER SERVICE	DEMOLITION OF PAVEMENT (FLEXIBLE) ⊗	FIELD OFFICE TY. III	TYPE B CL. I PAVE. LINE MARK. 4'	INLAID PAVE. MARKER ASPHALT TWO-WAY	PORTABLE TEMP. RUMBLE STRIP ARRAY	TRUCK MOUNTED ATTENUATOR	ELECTRONIC ARROW BOARD	PORTABLE CHANGE- ABLE MESSAGE SIGN	FLEXIBLE PAVE. PLANING 0"-2"
	L.S.	L.S.	L.S.	L.F.	S.F.	DAY	HR.	S.Y.	MO.	L.F.	EA.	DAY	HOURL	HOURL	HOURL	S.Y.
TOTALS	L.S.	L.S.	L.S.	1620	196	3800	2000	53	10	6000	38	200	2000	2000	2000	4005

** pay item Includes vertical tack coat

⊗ Denotes items to be paid for on basis of plan quantities
in accordance with current Road and Bridge Specifications.

THESE PLANS ARE UNFINISHED
AND UNAPPROVED AND ARE NOT
TO BE USED FOR ANY TYPE
OF CONSTRUCTION OR THE
ACQUISITION OF RIGHT OF WAY.

ADDITIONAL EASEMENTS FOR UTILITY
RELOCATIONS MAY BE REQUIRED
BEYOND THE PROPOSED RIGHT- OF-
WAY SHOWN ON THESE PLANS.

PROJECT	SHEET NO.
0058-101-902	2B

BRISTOL DISTRICT DESIGN UNIT

PROJECT MANAGER *James Bullins 276-696-3349*
SURVEYED BY, DATE *Woody McCowan 276-525-6483, June 2018*
DESIGN BY *James Bullins 276-696-3349*
SUBSURFACE UTILITY BY, DATE *N/A*

CORE MIX

MIX	LBS./ACRES	DESCRIPTION
1*	▲ <i>125</i>	* 100 % CERTIFIED FINE FESCUE
2	▲ <i>125</i>	100 % CERTIFIED TALL FESCUE
3	▲ <i>100</i>	50 % CERTIFIED TALL FESCUE * 50 % CERTIFIED FINE FESCUE
4	▲ <i>100</i>	50 % ORCHARDGRASS 50 % CERTIFIED KENTUCKY BLUEGRASS
6	▲ <i>100</i>	100 % ORCHARD GRASS
TEMPORARY		
3/01 - 5 /16 & 8 /16 - 3/1	<i>50</i> <i>50</i>	50 % CERTIFIED TALL FESCUE 50 % BARLEY, WINTER RYE OR WINTER WHEAT
5 /16 - 8 /16	<i>50</i> <i>50</i>	50 % FOXTAIL MILLET 50 % CERTIFIED TALL FESCUE

T1

T2

ADDITIVES

TYPE	LBS./ACRES	DESCRIPTION
A	▲	100% LOVEGRASS
B	▲ <i>20</i>	100% BARLEY, WINTER RYE OR WINTER WHEAT
C	▲ <i>10</i>	100% FOXTAIL MILLET
D	▲ <i>10</i>	100% ANNUAL RYEGRASS
E		
F	▲	100% SERICEA LESPEDEZA (LEGUME) **
G	▲ <i>10</i>	100 % WHITE CLOVER (LEGUME) **
H	▲ <i>10</i>	100% CROWNVETCH (LEGUME) **
J	▲ <i>20</i>	100% PARTRIDGE PEA (LEGUME)-native **
K	▲ <i>20</i>	100 % VIRGINIA WILD RYE - native

NOTES

- 1.RECOMMENDATIONS FOR THE APPLICATION OF SEED MIXTURES (CORE MIX AND ADDITIVES), FERTILIZER, LIME, ETC. SHALL BE OBTAINED FROM THE DISTRICT ROADSIDE MANAGER.
- 2.ALL SEED, FERTILIZER, LIME, MULCH, ETC. MUST BE IN CONFORMANCE WITH VDOT ROAD AND BRIDGE SPECIFICATIONS AND ANY APPLICABLE INFORMATIONAL & INSTRUCTIONAL MEMORANDA.
- 3.APPROXIMATELY 2.58 ACRES WILL BE DISTURBED ON THIS PROJECT AND 11 ACRE WILL REQUIRE THE ESTABLISHMENT OF GRASSES AND/OR LEGUMES.
4. REGULAR SEED SHALL BE APPLIED AT THE RATES SHOWN IN THE CORE MIX,ADDITVES,AND WHERE APPLICABLE, CUSTOM SEED MIX TABLES. SEEDING QUANTITIES SHOWN IN THE ROADSIDE DEVELOPMENT SUMMARY TABLE ARE BASED ON THE HIGHEST "NORMAL" SEEDING RATE FOR EACH CORE MIX (BY SEASON FOR BOTH MOWED AREAS AND NON-MOWED SLOPES),WITH A 25% INCREMENTAL ADJUSTMENT TO ACCOUNT FOR SEEDING PROGRESSION,SEEDING AFTER SIGN OR GUARDRAIL INSTALLATION, AND OTHER MINOR UNPLANNED DISTURBANCES.
5. REGULAR SEED SHALL BE FERTILIZED AT THE RATES SHOWN IN THE FERTILIZER SUMMARY TABLE. THE TOTAL FERTILIZER QUANTITIES SHOWN IN THE TABLES INCLUDES THE 25% INCREMENTAL ADJUSTMENT DESCRIBED ABOVE.
6. OVERSEEDING RATES SHALL BE 100% OF THE REGULAR SEED RATE WITHOUT THE INCREMENTAL ADJUSTMENT.
- 7.OVERSEEDING SHALL ONLY INCLUDE FERTILIZER ONCE,AT THE RATE SHOWN IN THE FERTILIZER SUMMARY TABLE. ADDITIONAL OVERSEEDING MAY BE DONE WITH NO FERTILIZER APPLIED,OR A SOIL TEST MAY BE PERFORMED TO DETERMINE THE SPECIFIC NUTRIENTS NECESSARY TO ESTABLISH THE GRASSES AND/OR LEGUMES.
8. THE ENGINEER WILL REQUIRE THE CONTRACTOR TO PERFORM SUPPLEMENTAL SEEDING WHEN LESS THAN 75% UNIFORM STAND OF THE PERMANENT GRASS (AND LEGUMES) SPECIFIED IN THE MIXTURES IS OBTAINED.(ANNUAL SPECIES SUCH AS RYE AND MILLET ARE TEMPORARY VARIETIES AND REQUIRE SUPPLEMENTAL SEEDING.)
9. LEGUME SEED SHALL BE INOCULATED WITH THE APPROPRIATE STRAIN AND RATE OF BACTERIA.FOR HYDROSEEDING,USE FIVE TIMES (5X)THE AMOUNT OF INOCULANT RECOMMENDED BY THE MANUFACTURER.
10. THE DATE SEED IS APPLIED SHALL BE USED TO DETERMINE WHETHER TO USE HULLED OR UNHULLED SEED FOR BERMUDAGRASS AND SERICEA LESPEDEZA. SPRING & SUMMER (3/16 TO 9/15):USE HULLED SEED,FALL & WINTER (9/16 TO 3/15):USE UNHULLED SEED
11. EROSION CONTROL MULCH,AS DIRECTED BY THE ENGINEER,IS TO BE USED ON AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN 14 DAYS DURING THE DORMANT PERIOD (11/1 TO 3/15)
12. WHEN EROSION CONTROL MULCH IS USED,IT SHALL PROVIDE 100% COVERAGE OF ALL DENUDED AREAS.
13. HECF SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS (OR RECOMMENDATIONS).
14. TOPSOIL IS TO BE APPLIED PER SECTION 602 OF THE 2016 ROAD AND BRIDGE SPECIFICATIONS MANUAL AT RECOMMENDED DEPTH AND ACREAGE AS LISTED ON THE ROADSIDE DEVELOPMENT SHEET.

MIX REQUIREMENTS THIS PROJECT

RECOMMENDATIONS FOR THE APPLICATION OF SEED MIXTURES (CORE MIX AND ADDITIVES), FERTILIZER, LIME, ETC. WERE OBTAINED FROM THE DISTRICT ROADSIDE MANAGER.

THIS PROJECT SHALL FOLLOW THE VDOT NUTRIENT MANAGEMENT PLAN (NMP) FOR TURF ESTABLISHMENT ON CONSTRUCTION PROJECTS.

TEMPORARY SEEDING LIME APPLIED AT 1-TON PER ACRE OF AGRICULTURAL LIME
REGULAR SEEDING LIME APPLIED AT 2-TON PER ACRE OF AGRICULTURAL LIME
OVERSEEDING LIME APPLIED AT 1-TON PER ACRE OF AGRICULTURAL LIME

TEMPORARY SEEDING FERTILIZER APPLIED AT 125 LB / AC (2.9 LBS PER 1000 SF) OF 15-30-15
REGULAR SEEDING FERTILIZER APPLIED AT 250 LB / AC (5.7 LBS PER 1000 SF) OF 15-30-15
OVERSEEDING FERTILIZER APPLIED AT 65 LB / AC (1.5 LBS PER 1000 SF) OF 46-0-0

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

SEEDING SCHEDULE

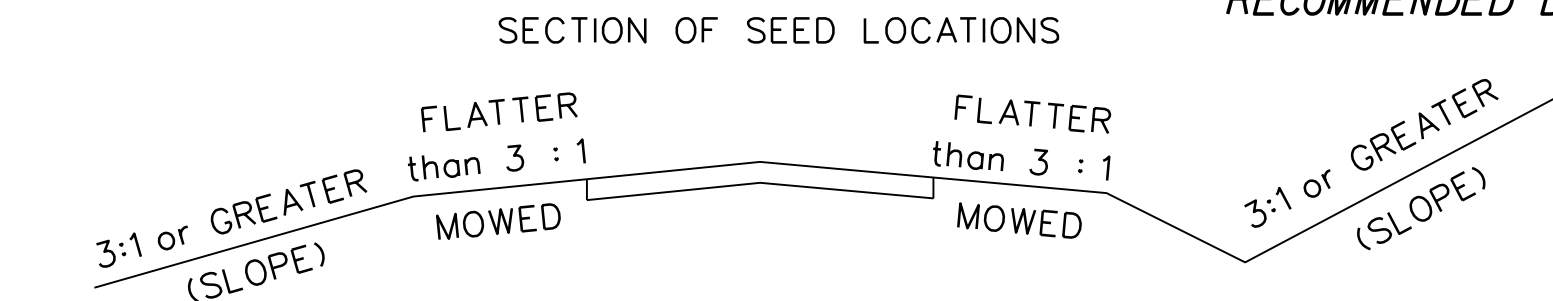
CODES LISTED IN TABLE REFER TO THE LISTS OF CORE MIXES & ADDITIVES, WHICH SHOW SEED NAMES & APPLICATION RATES FOR THIS PROJECT.	SLOPES SEED MIX WITH ADDITIVE	MOWED SEED MIX WITH ADDITIVE	SLOPES SEED MIX WITH ADDITIVE	MOWED SEED MIX WITH ADDITIVE	SLOPES SEED MIX WITH ADDITIVE	MOWED SEED MIX WITH ADDITIVE	SLOPES SEED MIX WITH ADDITIVE	MOWED SEED MIX WITH ADDITIVE
	SPRING MONTH & DATE		SUMMER MONTH & DATE		FALL MONTH & DATE		WINTER/DORMANT MONTH & DATE	
	3/16 - 5/31		6/1 - 9/15		9/16 - 10/31		11/1 - 3/15	
0058-101-902 TEMP. SEEDING	(2) DG T2	(1*) D T2	(2) CDG T2	(1*) CD T2	(2) DG T2	(1*) D T2	(2) BG T2	(1*) B T2
* SPECIFIED TYPE(S) OF FINE FESCUE		HARD		HARD		HARD		HARD

NOTES: (PROVIDED BY DISTRICT ROADSIDE MANAGER)

ROADSIDE DEVELOPMENT SUMMARY

PROJECT NUMBERS	REGULAR SEED	OVER SEEDING	LIME	FERTILIZER			LEGUME SEEDING	LEGUME OVER SEEDING	TEMPORARY SEED	TOPSOIL 2" CLASS B	HECP (TYPE 1)	HECP (TYPE 3)	HECP (TYPE 4)
				N	P	K							
	LBS.	LBS.	TONS	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	CU. YD.	S. Y.	S. Y.	S. Y.
0058-101-902	215	160	4.2	87	107	54	12	9	10	300	1210	484	5445
TOTALS	215	160	4.2	87	107	54	12	9	10	300	1210	484	5445

NOTE ROADSIDE DEVELOPMENT NOT REQUIRED AT ROCK CUT SLOPES (STA 106+50 TO 110+50)



APPROXIMATELY 1.1 ACRES WILL BE DISTURBED ON THIS PROJECT REQUIRING THE ESTABLISHMENT OF GRASSES AND/OR LEGUMES (0.2 ac < 3:1 - 0.9 ac > 3:1). SEE ROAD & BRIDGE SPEC. SECTIONS 244, & DIVISION V1FOR DETAILS.

PROJECT MANAGER James Bullins, 276-696-3349
SURVEYED BY, DATE Woody McCowan, L.S. (276) 525-6481 (Bristol), June 2018
DESIGN BY James Bullins, 276-696-3349
SUBSURFACE UTILITY BY, DATE

DRAINAGE & EROSION AND
SEDIMENT CONTROL SUMMARIES

	REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT		
		VA.	58	0058-101-902, RW-201 C-501	
	DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
VDOT Location & Design Bristol, Virginia HYDRAULIC ENGINEER					

PROJECT	STRUCTURE NUMBER	DESIGN HEIGHT OF COVER (FT)	STRUCTURE/ INLET HEIGHT	END SECTIONS				CONCRETE PIPE		STORM SEWER PIPE			DROP INLETS				MANHOLES		EROSION CONTROL STONE				EW-12	EW-1	EW-2	DITCH LINING			REMARKS
				ES-1		ES-1 OR ES-2		24"	36"	18"	24"	36"	DI-7A	DA-7B	DA-5	DI-1A	MANHOLE MH-1 OR MH-2	FRAME & COVER MH-1	EC-1				6"	CONCRETE CLASS A3 MISC.	CONCRETE CLASS A3 MISC.	PG-2A CONC. CLASS A3 MISC.	PG-3		
				18"	24"	18"	24"												CL. 1 TY. A	CL. I	CL. II	CL. II					TYPE 1 DRY RIP- RAP CL.1 (26")	TYPE 2 DRY RIP-RAP CL.1 (26")	
				EA	EA	EA	EA												TON	TON	TON	TON					EA	CY	
				LF	LF	EA	EA	EA	EA	LF	LF	LF	LF	LF	EA	EA	EA	EA	LF	EA	TON	TON	TON	TON	EA	CY	CY	SY	
0058-101-902	3-1		2.9											1														TYPE A GRATE REQ.	
	3-1 TO 3-2	1								51																		LEAK RESISTANT JOINT TYPE	
	3-2		4.1									1																TYPE A GRATE REQ.	
	3-2 TO OUTLET	2										60						20				1.6						LEAK RESISTANT JOINT TYPE	
	3-3	2							55									20				3.2						LEAK RESISTANT JOINT TYPE	
	3-4	2						55										15				3.2						LEAK RESISTANT JOINT TYPE	
SUBTOTAL							55	55		51	60	1		1				55				8.0							

EROSION CONTROL SUMMARY									
EROSION AND SEDIMENT CONTROL PHASING	EC-5	EC-11	EC-4	EC-8	EC-2	EC-6			SILTATION CONTROL EXCAVATION
	TEMPORARY SILT FENCE	STABILIZED CONSTRUCTION ENTRANCE	ROCK CHECK DAM TYPE II	DEWATERING BASIN(S)	EROSION CONTROL PROTECTIVE COVERING TYPE 2	INLET PROTECTION			
						TYPE A	TYPE B	*TYPE C	
L.F.	EA.	EA.	EA.	SQ. YD.	EA.		EA.	CU. YD.	
PHASE I	293	-	32	-	-	1	-	4	214
PHASE II	293	-	26	2	-	2	-	2	189
Totals	586	-	58	2	-	3	-	6	403

BRISTOL DISTRICT DESIGN UNIT

PROJECT MANAGER James Bullins 276-696-3349
SURVEYED BY, DATE Woody McCowan 276-525-6483, June 2018
DESIGN BY James Bullins 276-696-3349
SUBSURFACE UTILITY BY, DATE J/A

Utility Owners

Fiber Optic Lines Property of Scott Co. Telephone
Power Lines Property of Old Dominion
Sewer Lines Property of Town of Big Stone Gap
Telephone Lines Property of Verizon
Water Lines Property of Town of Big Stone Gap

3-C 25' - SALVAGE EX. GUARDRAIL
25' - INSTALL SALVAGED GUARDRAIL

3-B 25' - SALVAGE EX. GUARDRAIL
25' - INSTALL SALVAGED GUARDRAIL

3-A 25' - INSTALL SALVAGED GUARDRAIL
25' - SALVAGE EX. GUARDRAIL

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	58		0058-101-902, RW-201 C-501	3

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT

VDOT Location & Design Bristol, Virginia HYDRAULIC ENGINEER	VDOT Location & Design Bristol, Virginia ROADWAY ENGINEER
---	---

GILLEY AVENUE
US 58 ALT./ US 23 BUS.

ADDITIONAL EASEMENTS FOR UTILITY
RELOCATIONS MAY BE REQUIRED
BEYOND THE PROPOSED RIGHT- OF-
WAY SHOWN ON THESE PLANS.

RANDY LOVELL
INST* 201200058
(Deed) Tract 1 2.735 AC +/-
(Deed) Tract 9 0.484 AC +/-
TAX MAP* 076A5 (03) 001D 001L

END PROJECT 0058-101-902, C-501
BEGIN TRANSITION
STATION 112+54.63

END PROJECT 0058-101-902,
RW-201 STATION 115+18.47

HEIRS OF
PALMER LOVELL
INST* W090000087
(Plat) Tract 1 0.432 AC +/-
TAX MAP* 076A5 (03) 001J

VELMA K. GILLEY
INST* W090000087
(NINTH) Tract 8 0.513 AC +/-
TAX MAP* 076A5 (03) 001K

H. NEAL DAVIS
NORMA DAVIS
DB 798 PG 555
(Plat) Lot 10 1.054 AC +/-
TAX MAP* 076A5 (10) 010

RICHARD SHANE DISHNER
PHYLLIS HOUSTON DISHNER
INST* 200300441
(Plat) Lot 7 0.965 AC +/- Lot 8 1.014 AC +/-
TAX MAP* 076A5 (10) 007 008

RONALD L. THOMPSON
ANNA R. THOMPSON
DB 779 PG 063
(Plat) 0.926 AC +/-
TAX MAP* 076A5 (10) 009

JONATHAN A. DISHNER
INST* 200300442
(Plat) Lot 5 1.009 AC +/- Lot 6 0.928 AC +/-
TAX MAP* 076A5 (10) 005, 006

LONNIE L. KERN
RONNIE R. KERN
INST* 201604435
(Deed) 0.275 AC +/-
TAX MAP* 076A5 (02) 005 006-7

RIGGS RENTAL, LLC
INST* 201402387
TAX MAP* 076A5 (02) 005 8

WILLIE E. BLEDSOE
FLEDA J. BLEDSOE
INST* 200102675
TAX MAP* 076A5 (02) 005 9, 10, 11

H. NEAL DAVIS
NORMA DAVIS
DB 798 PG 555 Tract #2
TAX MAP* 076A5 (02) 005 12-17

KIMELA H. HARKNESS
INST* 090000079 SECOND
TAX MAP* 076A5 (02) 004 001

EDWARD R. HUTCHINSON SR.
INST* 090000079 SECOND
TAX MAP* 076A5 (02) 004 002

CHRIS HUTCHINSON
APRIL HUTCHINSON
INST* 200306408
TAX MAP* 076A5 (02) 004 003

BLM RENTALS, LLC
WB 60 PG 341
TAX MAP* 076A5 (02) 004 004

LEGEND

- Denotes Demolition of Pavement
- 3-3 Denotes Drainage Information
- C Denotes Construction Limits In Cuts
- E Denotes Construction Limits In Fills
- Denotes Paved Shoulder
& Paving Over Pipes
- Denotes Planting of Pavement
- WL- Wet Land Area

3-G Denotes Guardrail Information

UTILITY LEGEND

- Utility Poles & Guy Wire
- Water Meter
- SAN Sewer Line & MH
- Water Line
- FO Underground Fiber Optic Line
- Telephone Junction Box

REFERENCES

ESC LEGEND 2
PROFILE 3A
R/W PLAN 3RW
ENTR. PROFILE 4

NOTE:

- 1) R/W Based on Construction Baseline Unless Otherwise Noted
- 2) Figures in double brackets and dot - dashed lines denotes Permanent Utility Easements.

A1 NOT USED

A2 NOT USED

A3 EXISTING 24" CMP TO BE REMOVED.

A4 EXISTING 36" PIPE TO BE REMOVED

A5 OFFSITE CONVEYANCE CHANNEL
REFERENCE ROADWAY CROSS SECTIONS

PUBLIC HEARING PLANS

THESE PLANS ARE UNFINISHED
AND UNAPPROVED AND ARE NOT
TO BE USED FOR ANY TYPE
OF CONSTRUCTION OR THE
ACQUISITION OF RIGHT OF WAY.

SCALE
0 50' 100'

PROJECT
0058-101-902

SHEET NO.
3

PROJECT MANAGER James Bullins 276-696-3349
SURVEYED BY, DATE Woody McCowan 276-525-6483, June 2018
DESIGN BY James Bullins 276-696-3349
SUBSURFACE UTILITY BY, DATE n/a

ADDITIONAL EASEMENTS FOR UTILITY
RELOCATIONS MAY BE REQUIRED
BEYOND THE PROPOSED RIGHT- OF-
WAY SHOWN ON THESE PLANS.

SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

PUBLIC HEARING PLANS

THESE PLANS ARE UNFINISHED
AND UNAPPROVED AND ARE NOT
TO BE USED FOR ANY TYPE
OF CONSTRUCTION OR THE
ACQUISITION OF RIGHT OF WAY.

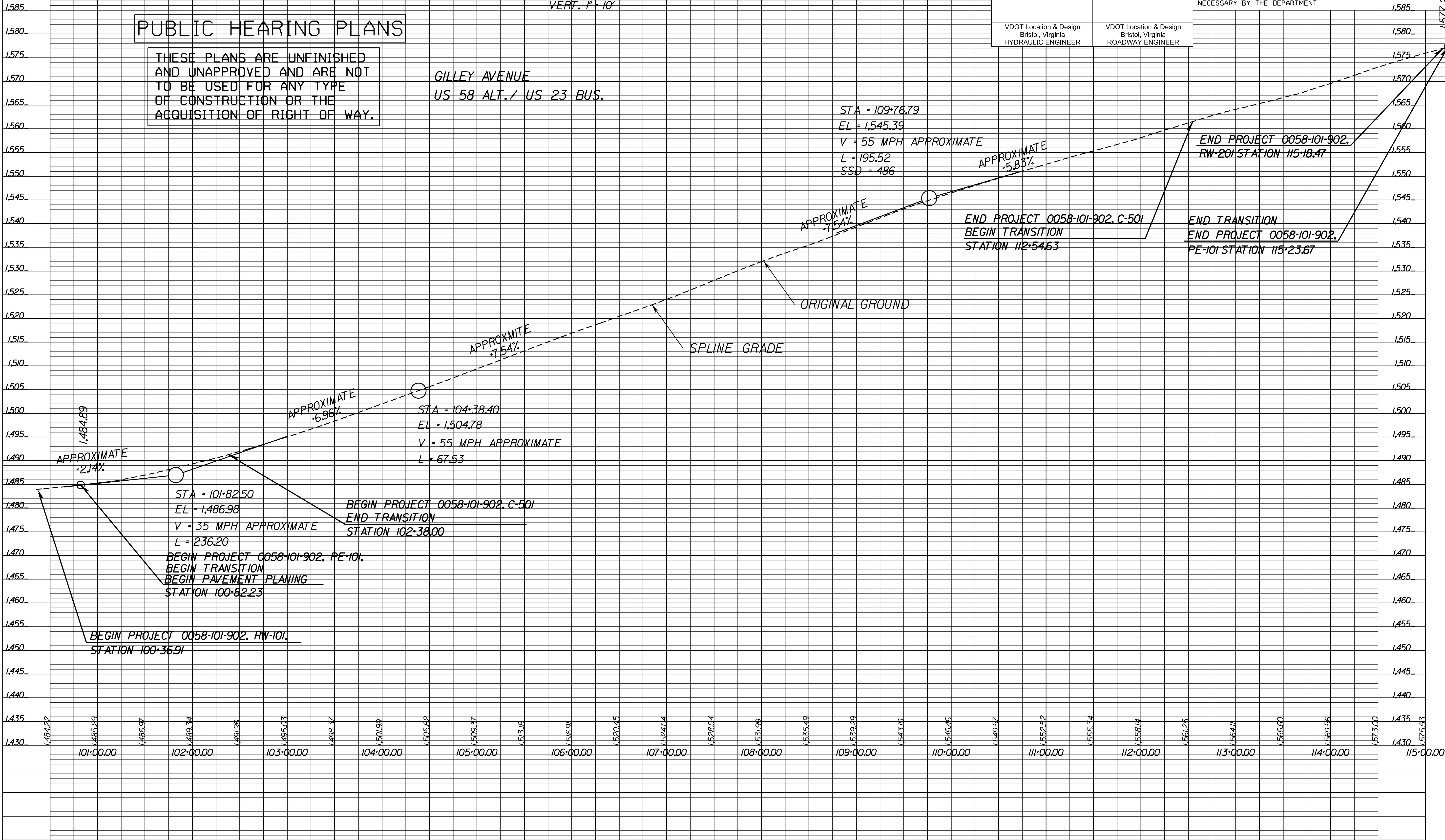
GILLEY AVENUE
US 58 ALT./ US 23 BUS.

VDOT Location & Design
Bristol, Virginia
HYDRAULIC ENGINEER

VDOT Location & Design
Bristol, Virginia
ROADWAY ENGINEER

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	58		0058-101-902, RW-201 C-501	3A

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT

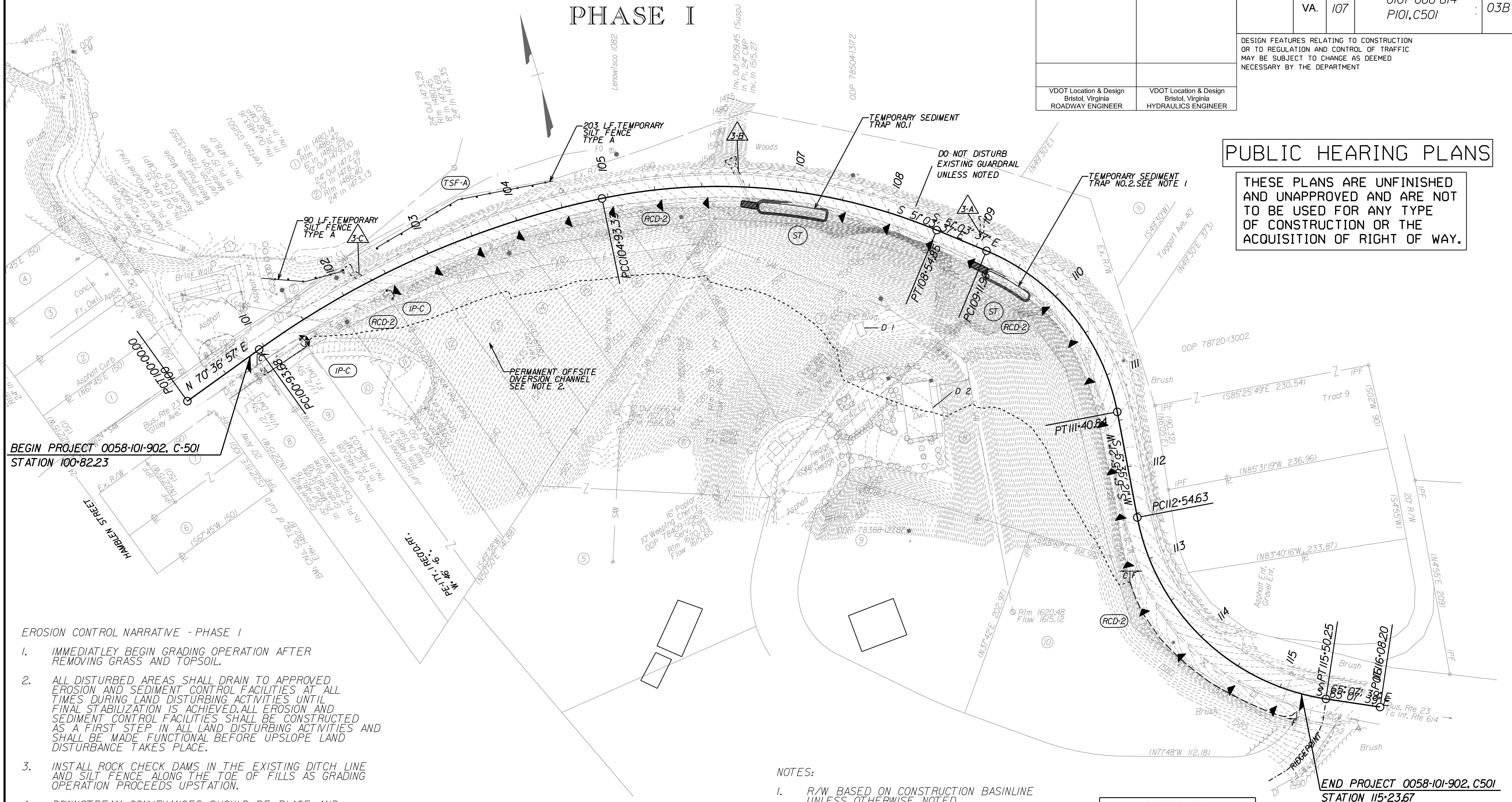


EROSION & SEDIMENT CONTROL PLAN

PHASE I

		REVISED	STATE	STATE		SHEET NO.
			VA.	ROUTE	PROJECT	
				107	0107-086-814 P101, C501	
		DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
VDOT Location & Design Bristol, Virginia ROADWAY ENGINEER	VDOT Location & Design Bristol, Virginia HYDRAULICS ENGINEER					

THESE PLANS ARE UNFINISHED
AND UNAPPROVED AND ARE NOT
TO BE USED FOR ANY TYPE
OF CONSTRUCTION OR THE
ACQUISITION OF RIGHT OF WAY.



1. IMMEDIATELY BEGIN GRADING OPERATION AFTER REMOVING GRASS AND TOPSOIL.
2. ALL DISTURBED AREAS SHALL DRAIN TO APPROVED EROSION AND SEDIMENT CONTROL FACILITIES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES UNTIL FINAL STABILIZATION IS ACHIEVED. ALL EROSION AND SEDIMENT CONTROL FACILITIES SHALL BE CONSTRUCTED AS A FIRST STEP IN ALL LAND DISTURBING ACTIVITIES AND SHALL BE MADE FUNCTIONAL BEFORE UPSLOPE LAND DISTURBANCE TAKES PLACE.
3. INSTALL ROCK CHECK DAMS IN THE EXISTING DITCH LINE AND SILT FENCE ALONG THE TOE OF FILLS AS GRADING OPERATION PROCEEDS UPSTATION.
4. DOWNSTREAM CONVEYANCES SHOULD BE PLACED AND STABILIZED BEFORE ANY TEMPORARY DIVERSIONS ARE CONSTRUCTED.
5. THE CONTRACTOR SHALL INSPECT ALL EROSION AND SEDIMENT CONTROL FACILITIES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION AND SEDIMENT CONTROL FACILITIES SHALL BE MADE IMMEDIATELY. RECORDS OF ALL INSPECTIONS AND REPAIRS MADE TO EROSION AND SEDIMENT CONTROL FACILITIES SHALL BE MAINTAINED BY THE CONTRACTOR.

1. R/W BASED ON CONSTRUCTION BASINLINE
UNLESS OTHERWISE NOTED.
2. FIGURES IN DOUBLE BRACKETS AND DOT-DASHED
LINES DENOTES PERMANENT EASEMENTS.
3. CONTRACTOR SHALL FIELD VERIFY EXISTING
STORMWATER CONVEYANCE CHANNEL PRIOR
TO ROCK CHECK DAM PLACEMENT.
4. REFERENCE PLAN SHEET 02 (GENERAL NOTES)
FOR EROSION AND SEDIMENT CONTROL LEGEND.

<i>Roadway Profile</i>	3A
<i>Typical Sections</i>	2A
<i>Drainage Desc.</i>	2E
<i>E&SC Plan Phase I</i>	3B
<i>E&SC Plan Phase II</i>	3C

<p>SCALE</p> <p>0 25' 50'</p>	<p>PROJECT</p> <p>0107-086-814</p>	<p>SHEET NO.</p> <p>03B</p>
-------------------------------	------------------------------------	-----------------------------

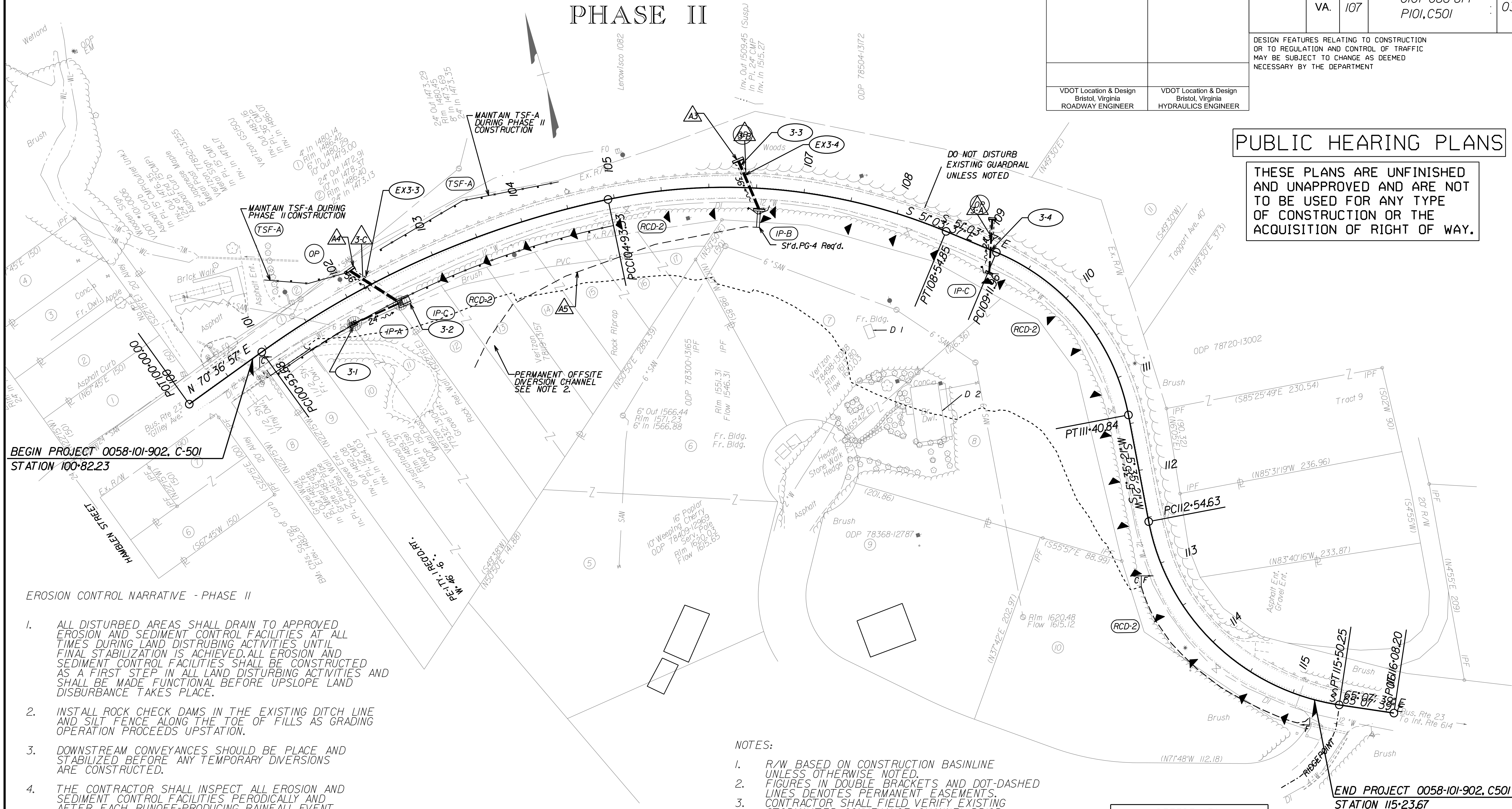
EROSION & SEDIMENT CONTROL PLAN

PHASE II

		REVISED	STATE	STATE		SHEET NO.
			ROUTE	PROJECT		
			VA.	107	0107-086-814 P101, C501	
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT						
VDOT Location & Design Bristol, Virginia ROADWAY ENGINEER	VDOT Location & Design Bristol, Virginia HYDRAULICS ENGINEER					

PUBLIC HEARING PLANS

THESE PLANS ARE UNFINISHED
AND UNAPPROVED AND ARE NOT
TO BE USED FOR ANY TYPE
OF CONSTRUCTION OR THE
ACQUISITION OF RIGHT OF WAY.









1. ALL DISTURBED AREAS SHALL DRAIN TO APPROVED EROSION AND SEDIMENT CONTROL FACILITIES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES UNTIL FINAL STABILIZATION IS ACHIEVED. ALL EROSION AND SEDIMENT CONTROL FACILITIES SHALL BE CONSTRUCTED AS A FIRST STEP IN ALL LAND DISTURBING ACTIVITIES AND SHALL BE MADE FUNCTIONAL BEFORE UPSLOPE LAND DISBURBANCE TAKES PLACE.
2. INSTALL ROCK CHECK DAMS IN THE EXISTING DITCH LINE AND SILT FENCE ALONG THE TOE OF FILLS AS GRADING OPERATION PROCEEDS UPSTATION.
3. DOWNSTREAM CONVEYANCES SHOULD BE PLACE AND STABILIZED BEFORE ANY TEMPORARY DIVERSIONS ARE CONSTRUCTED.
4. THE CONTRACTOR SHALL INSPECT ALL EROSION AND SEDIMENT CONTROL FACILITIES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION AND SEDIMENT CONTROL FACILITIES SHALL BE MADE IMMEDIATELY. RECORDS OF ALL INSPECTIONS AND REPAIRS MADE TO EROSION AND SEDIMENT CONTROL FACILITIES SHALL BE MAINTAINED BY THE CONTRACTOR.

1. R/W BASED ON CONSTRUCTION BASINLINE
UNLESS OTHERWISE NOTED.
2. FIGURES IN DOUBLE BRACKETS AND DOT-DASHED
LINES DENOTES PERMANENT EASEMENTS.
3. CONTRACTOR SHALL FIELD VERIFY EXISTING
STORMWATER CONVEYANCE CHANNEL PRIOR
TO ROCK CHECK DAM PLACEMENT.
4. REFERENCE PLAN SHEET 02 (GENERAL NOTES)
FOR EROSION AND SEDIMENT CONTROL LEGEND.

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
<i>Roadway Profile</i>	3A
<i>Typical Sections</i>	2A
<i>Drainage Desc.</i>	2E
<i>E&SC Plan Phase I</i>	3B
<i>E&SC Plan Phase II</i>	3C

SUGGESTED EROSION AND SEDIMENT
CONTROL PLANS - PHASE II

	PROJECT <i>0107-086-814</i>	SHEET NO. <i>03C</i>
---	--------------------------------	-------------------------

- | | | | |
|---|---------------------------------|---|--|
|  A1 | NOT USED |  A4 | EXISTING 36" PIPE TO BE REMOVED |
|  A2 | NOT USED |  A5 | OFFSITE CONVEYANCE CHANNEL
REFERENCE ROADWAY CROSS SECTIONS |
|  A3 | EXISTING 24" CMP TO BE REMOVED. | | |

PROJECT MANAGER James Bullins 276-696-3349
SURVEYED BY, DATE Woody McCowan 276-525-6483, June 2018
DESIGN BY James Bullins 276-696-3349
SUBSURFACE UTILITY BY, DATE n/a

PUBLIC HEARING PLANS

THESE PLANS ARE UNFINISHED
AND UNAPPROVED AND ARE NOT
TO BE USED FOR ANY TYPE
OF CONSTRUCTION OR THE
ACQUISITION OF RIGHT OF WAY.

REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	58	0058-101-902, RW-201 C-501	3RW

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT

ADDITIONAL EASEMENTS FOR UTILITY
RELOCATIONS MAY BE REQUIRED
BEYOND THE PROPOSED RIGHT- OF-
WAY SHOWN ON THESE PLANS.

VDOT Location & Design
Bristol, Virginia
(LAND SURVEYOR)

RIGGS RENTAL, LLC
INST* 201203047
TAX MAP* 076A5 (01) 003
011 Thru 015

RANDY LOVELL
INST* 201200058
(Deed) Tract 1 2.735 AC.:-
(Deed) Tract 9 0.484 AC.:-
TAX MAP* 076A5 (03) 001D 001L

VELMA K. GILLEY
INST* W090000087
(NINTH) Tract B 0.513 AC. +/-
TAX MAP* 076A5 (03) OOK
46.80* (LT)

(N83°40'16"W 233.87)

HEIRS OF
PALMER LOVELL
INST* W090000087
(Plat) Tract T 0.432 AC.
TAX MAP* 076A5 (03) C

HEIRS OF
PALMER LOVELL
INST* W090000087
(Plot) Tract 7 0.432 AC.
TAX MAP* 076A5 (03)

H. NEAL DAVIS
NORMA DAVIS
DB 798 PG 555
(Plat) Lot 10 1.054 AC.
TAX MAP* 076A5 (10)

RICHARD SHANE DISHNER
PHYLLIS HOUSTON DISHNER
 INST* 200300441
 (Plat) Lot 7 0.965 AC. +/- Lot 8 1.014 AC. +/-
 TAX MAP* 076A5 (10) 007 008

JONATHAN A. DISHNER
 INST* 200300442
 (Plat) Lot 5 1.009 AC. +/- Lot 6 0.928 AC. +/-
 TAX MAP* 076A5 (10) 005.006

RONALD L. THOMPSON
ANNA R. THOMPSON
DB 779 PG 063
(Plat) 0.926 AC +/-
TAX MAP* 076A5 (10) 009

Curve ML58_7
PI = 110+36.73
DELTA = 56° 38' 57.85" (RT)
D = 24' 44" 59"
T = 124.78'
L = 228.89'
R = 231.50'
PC = 109+11.96
PT = 111+40.84
V = 35 MPH

Curve ML58_3
PI = 102.96.46
DELTA = 23° 56'
D = 5° 59' 25"
T = 202.78'
L = 389.65'
R = 936.50'
PC = 100.93.68
PCC = 104.93.33
V = 35 MPH

LONNIE L. KERN
RONNIE R. KERN
 INST* 201604435
 (Deed) 0.275 AC./-
 TAX MAP* 076A5 (02) 005 006-7

RIGGS RENTAL, LLC
INST* 201402387
TAX MAP* 076A5 (02) 005 8

WILLIE E. BLEDSOE
FLEDA J. BLEDSOE
INST* 200102675
TAX MAP* 076A5 (02) 005 9,10,11

H. NEAL DAVIS
NORMA DAVIS
DB 798 PG 555 Tract *2
TAX MAP* 076A5 (02) 005 12-17

NO DESIGNATION OR LOCATION OF SUBSURFACE UTILITIES WAS PREFORMED DURING PREPARATION OF THIS PLAN SHEET.

THIS SURVEY DATUM IS BASED ON VDOT
PROJECT 0058-101-902, R-201 UPC: 110879

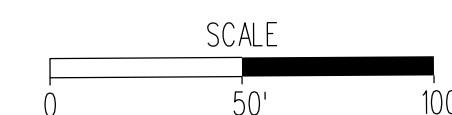
RIGHT OF WAY MONUMENTATION TO BE SET UPON
COMPLETION OF CONSTRUCTION.

NO CEMETERY SITES WERE OBSERVED OF THE SUBJECT
PROPERTY. THIS DOES NOT PRECLUDE THEIR EXISTENCE.

THIS RIGHT OF WAY SHEET REPRESENTS A FIELD RUN PERIMETER SURVEY OF THE PROPOSED R/W LIMITS. ALL OTHER ADJOINING/DEPARTING BOUNDARY LINES SHOWN ARE COMPILED FROM VARIOUS SOURCES; FOUND FIELD MONUMENTATION, METES AND BOUNDS DESCRIPTIONS, AND RECORDED PLATS. THE ADJOINING LINES DO NOT REPRESENT A FIELD RUN SURVEY OF THE ADJOINING PROPERTIES AND ARE BEST FIT BASED ON COMPILED DATA. ALL AREAS SHOWN FOR R/W TAKES AND EASEMENTS ARE APPROXIMATE ONLY.

ALL OF THE PROPERTIES PHYSICAL IMPROVEMENTS
ARE NOT SHOWN HEREON.

THIS PLAN SHEET WAS PERFORMED WITHOUT
THE BENEFIT OF A TITLE REPORT AND MAY
NOT SHOW ALL EASEMENTS WHICH MAY AFFECT
THE PROPERTY SHOWN HEREON.



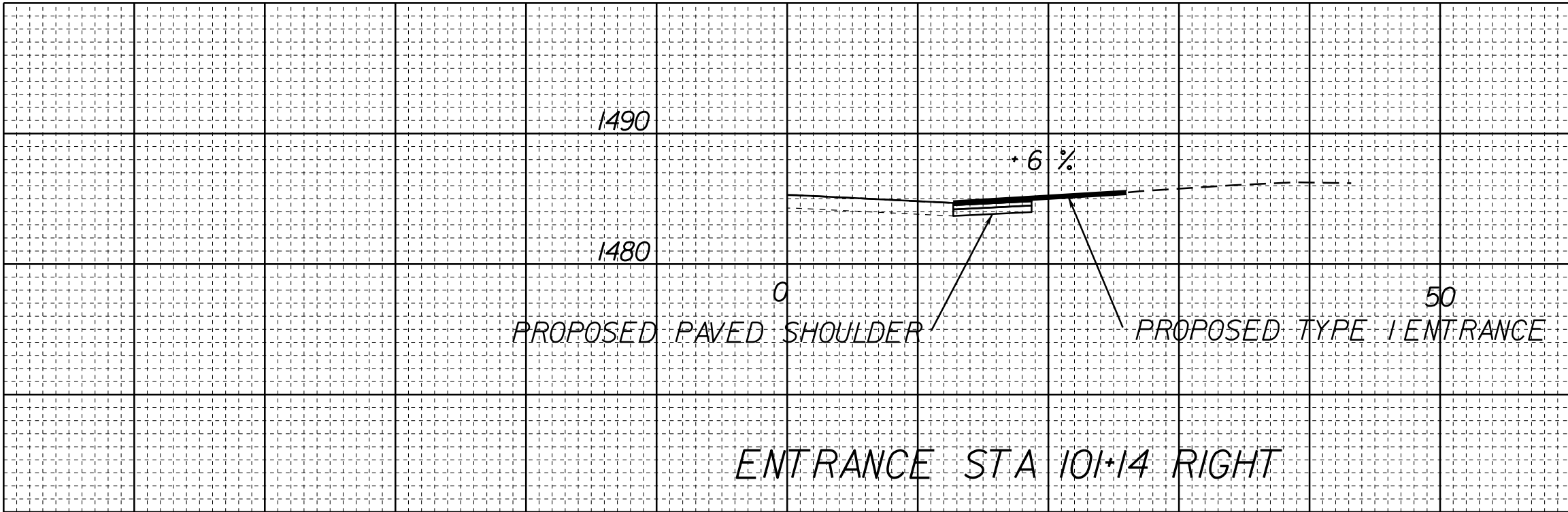
	PROJECT 0058-101-902	SHEET NO. 3RW
--	-------------------------	------------------

BRISTOL DISTRICT DESIGN UNIT

PROJECT MANAGER *James Bullins 276-696-3349*
SURVEYED BY, DATE *Woody McCowan 276-525-6483, June 2018*
DESIGN BY *James Bullins 276-696-3349*
SUBSURFACE UTILITY BY, DATE *n/a*

ADDITIONAL EASEMENTS FOR UTILITY
RELOCATIONS MAY BE REQUIRED
BEYOND THE PROPOSED RIGHT- OF-
WAY SHOWN ON THESE PLANS.

SCALE 1 IN. = 10 FT



PUBLIC HEARING PLANS

THESE PLANS ARE UNFINISHED
AND UNAPPROVED AND ARE NOT
TO BE USED FOR ANY TYPE
OF CONSTRUCTION OR THE
ACQUISITION OF RIGHT OF WAY.

	REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT		
		VA.	58	0058-101-902, RW-201 C-501	4
	DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
VDOT Location & Design Bristol, Virginia ROADWAY ENGINEER					

PROJECT	SHEET NO.
0058-101-902	4